

Handloader's Guide

For Smokeless Powders



Shotshell • Rifle • Handgun

Before using any of the loading data contained in this guide,
please be sure to read all of the safety information.



SAFETY INFORMATION

This IMR *Handloader's Guide* presents revised and updated information on the use of IMR powders to reload shotshell, handgun and rifle ammunition. This *Guide* is not intended to be a "how to" manual for reloading, and we strongly recommend that all handloaders carefully read one or more of the reloading manuals which cover the subject in detail. This *Guide* is offered to be used at your own discretion and risk. Since we have no control over the circumstances of use, we assume no liability for the results obtained. And we guarantee only that our powders meet our manufacturing standards.

It is possible that changes in components which could affect ballistic performance could occur without our knowledge. The components used and specified in all our data were those that were commercially available to the handloader at the time our tests were conducted. It is the responsibility of the handloader to check each of his components to insure that they are the same as specified in our data.

Improper modifications and/or alterations can render any type of firearm unsafe. All work should be conducted by the manufacturer or a qualified gunsmith. It is highly recommended that a shooter have his guns checked periodically by a qualified gunsmith to insure that they are in safe operating condition. Treat all guns as being loaded and read and practice all the rules of safe gun handling and shooting.

The future of handloading is dependent upon the safe handling and storage of powder and primers and the safe use of all ammunition. In this regard, read and follow the recommendations of the Sporting Arms and Ammunition Manufacturers' Institute, Inc. as published in "Properties and Storage of Smokeless Powder." A copy of this pamphlet is bound into this *Handloader's Guide*.

SHOTSHELL

The shotshell data section offers a wide selection of target and field loads. There have been a number of changes and modifications in shotshell components which make it increasingly important that the handloader carefully check all of the components being used to insure that they are the same as shown. If you have reason to question any of your components, contact the manufacturer.

Our goal in developing this shotshell data was to offer a selection of "factory duplication" loads, specifying the average velocity and chamber pressure of the rounds tested. However, not all factory loads can be duplicated because the components utilized are not available to the handloader. All of the ballistics data specified were obtained using once-fired cases and components available to the handloaders at the time our tests were performed.

All of the shotshell data presented were developed using **lead** shot. Do not attempt to reload any of the loads listed using **steel** shot. Substituting steel shot in any load developed for lead shot could be very dangerous.

To obtain a reasonable duplication of the ballistic results listed, you must reload exactly as shown. Substitution of components especially primers and/or alteration in powder charge or type of powder could result in extremely dangerous reloads.

Good, uniform, efficient reloads result only from careful reloading procedures. Always check powder and shot weights on a reliable scale, use the exact components specified, seat wads properly and use only cases that are in good condition. Never leave to chance the

powder type and/or weight and the lead shot weight that you are loading in a shell. Inspect all reloaded shells to insure that crimp closely duplicates that of factory loads.

Unfortunately, time and space do not permit publication of loads utilizing all of the many components available. Loading data utilizing IMR powders for wads not listed in this *Guide* may be obtained by contacting the wad manufacturer.

RIFLE

The rifle data section contains data for most of the popular cartridges. The components specified were those that were commercially available to the handloader at the time the tests were performed.

The powder charge weights specified represent loads that developed **Maximum Allowable Chamber Pressures** with the test barrels used and components specified, with the exception of loads that are specified as (C) compressed charges which may represent case capacity rather than maximum chamber pressure. All tests were conducted utilizing commercial barrels in a Universal Receiver.

It is not unusual for reloads assembled with particular components and fired in the individual reloader's gun to give ballistic results (particularly chamber pressures) that vary in either direction from the published data. To compensate for any component and/or gun combination that would tend to yield pressures in excess of the published data, it is recommended that the powder charge be reduced 10% initially. (This reduction in powder charge weight should also be made each time that any of the components in the load are changed.) After firing several loads at the lower powder charge weight—without ANY evidence of excessive chamber pressure—the powder charge weight may then be increased in 0.5 grain increments as accuracy needs and pressure indications permit. The subject of excessive pressure along with illustrations is included in most reloading manuals, and should be read before attempting any reloading.

Always make certain that you use the correct ammunition in your rifle.

This data must be used only with IMR Smokeless Powders. **Never use this data for powders that may have similar numerical designations!**

HANDGUN

The handgun section contains loads for the more popular handgun cartridges utilizing the handloading components commercially available at the time our tests were conducted. We have also included a section of handgun data for the T/C Contender in cartridge and component combinations of particular interest to the metallic silhouette shooter. Test components used are specified and these exact components must be used to achieve a reasonable duplication of the ballistic data shown.

The powder charge weights specified represent loads that developed **Maximum Allowable Chamber Pressures** with the test barrels and components used, with the exception of loads that are specified as (C) compressed charges and therefore may represent case capacity rather than maximum chamber pressure, and loads that duplicate factory velocity. All tests were conducted utilizing commercial barrels in a Universal Receiver.

Always practice all of the principals of **SAFE RELOADING** and enjoy good shooting.

RELOADING SAFETY

Reloading ammunition is an enjoyable hobby, and can be conducted safely if certain rules are followed:

1. Exercise care and common sense at all times.
2. Don't become distracted when you are handloading.
3. Never load in haste. A careless mistake can be serious.
4. Use equipment as manufacturer recommends.
Never take shortcuts.
5. Store powder in a cool, dry place at all times.
6. Never use a powder unless you are positive of its identity.
7. Never substitute smokeless powder for black powder.
8. Never use IMR powder data for any other powder types with similar numerical designations.
9. Keep powder away from heat and open flames.
10. Never smoke while handling powder.
11. Keep powder out of reach of children.
12. Don't mix powders.
13. Don't keep more powder in an open container than you need.
14. Observe all maximum load warnings in handbooks.
15. Work up all new loads starting 10% below the recommended maximum charge weight.
16. Examine every case before loading to insure it is in good condition.
17. Watch for indications of high pressures in establishing a new load.
18. Never use smokeless powder in firearms designed for black powder.
19. DO NOT use *steel shot* in any of the shotshell loads listed in this guide.
20. Use of safety glasses while reloading is recommended.
21. Clean up any powder spills immediately. Use dust pan and brush to clean up powder. Dispose of it in accordance with recommended procedures.
22. Make sure powder container is empty before disposing of container.
23. Consult suppliers of components if you have any questions about their use.
24. Check powder charges regularly to insure using proper powder charge weight.
25. Develop a routine for reloading to guard against mistakes.

NOTE:

- It should be recognized that Auto-Loading Shotguns may not function with some of the Low Chamber Pressure Loads.
- Several Handgun Calibers show Chamber Pressure in PSI.
- If you use Military Brass for certain Center-Fire Calibers the maximum powder charges should be lowered from data shown.
- **We have included a separate section in the Rifle Data Section that provides recommendations for various Calibers and Components showing Chamber Pressures in PSI units versus prior data with CUP units for the Chamber Pressure. There will be additions to this section as the data becomes available.**

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SHOT SHELL TARGET DATA

12 GAUGE 2 3/4 INCH 24 GRAM LOADS

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL								
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	24	1155	5300
FEDERAL	209A	"HI-SKOR" 700-X	16.5*	WIN.	WAA12SL	24	1205	5900
FEDERAL	209A	"HI-SKOR" 700-X	17.5*	WIN.	WAA12SL	24	1255	6600
FEDERAL	209A	"HI-SKOR" 700-X	19.0*	WIN.	WAA12SL	24	1325	7800
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	CB.	CB1100-12	24	1145	4800
FEDERAL	209A	"HI-SKOR" 700-X	16.5*	CB.	CB1100-12	24	1195	5500
FEDERAL	209A	"HI-SKOR" 700-X	17.5*	CB.	CB1100-12	24	1250	6200
FEDERAL	209A	"HI-SKOR" 700-X	19.5*	CB.	CB1100-12	24	1335	7400
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	REM.	TGT12	24	1145	5000
FEDERAL	209A	"HI-SKOR" 700-X	16.5*	REM.	TGT12	24	1195	5700
FEDERAL	209A	"HI-SKOR" 700-X	17.5*	REM.	TGT12	24	1245	6200
FEDERAL	209A	"HI-SKOR" 700-X	19.5*	REM.	TGT12	24	1325	7100
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	CB.	CB2100-12	24	1160	5300
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	CB.	CB2100-12	24	1210	6000
FEDERAL	209A	"HI-SKOR" 700-X	18.0*	CB.	CB2100-12	24	1260	6600
FEDERAL	209A	"HI-SKOR" 700-X	19.5*	CB.	CB2100-12	24	1330	7500
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	FED.	1250	24	1160	5500
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	FED.	1250	24	1205	6200
FEDERAL	209A	"HI-SKOR" 700-X	18.0*	FED.	1250	24	1255	6800
FEDERAL	209A	"HI-SKOR" 700-X	19.5*	FED.	1250	24	1325	7800
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	ACTIV	TG-30	24	1155	6100
FEDERAL	209A	"HI-SKOR" 700-X	16.5*	ACTIV	TG-30	24	1200	6700
FEDERAL	209A	"HI-SKOR" 700-X	17.5*	ACTIV	TG-30	24	1245	7300
FEDERAL	209A	"HI-SKOR" 700-X	19.5*	ACTIV	TG-30	24	1335	8800
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	WIN.	WAA12SL	24	1150	4700
REMINGTON	209P	"HI-SKOR" 700-X	17.0*	WIN.	WAA12SL	24	1205	5400
REMINGTON	209P	"HI-SKOR" 700-X	18.0*	WIN.	WAA12SL	24	1250	5900
REMINGTON	209P	"HI-SKOR" 700-X	20.5*	WIN.	WAA12SL	24	1325	6600
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	CB.	CB1100-12	24	1140	4000
REMINGTON	209P	"HI-SKOR" 700-X	17.5*	CB.	CB1100-12	24	1205	4600
REMINGTON	209P	"HI-SKOR" 700-X	19.0*	CB.	CB1100-12	24	1250	5300
REMINGTON	209P	"HI-SKOR" 700-X	21.0*	CB.	CB1100-12	24	1320	5800
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	REM.	TGT12	24	1150	4200
REMINGTON	209P	"HI-SKOR" 700-X	17.0*	REM.	TGT12	24	1195	4800
REMINGTON	209P	"HI-SKOR" 700-X	18.5*	REM.	TGT12	24	1250	5700
REMINGTON	209P	"HI-SKOR" 700-X	21.0*	REM.	TGT12	24	1330	6500
REMINGTON	209P	"HI-SKOR" 700-X	16.5*	CB.	CB2100-12	24	1140	4000
REMINGTON	209P	"HI-SKOR" 700-X	18.0*	CB.	CB2100-12	24	1195	4500
REMINGTON	209P	"HI-SKOR" 700-X	19.5*	CB.	CB2100-12	24	1265	5200
REMINGTON	209P	"HI-SKOR" 700-X	21.0*	CB.	CB2100-12	24	1330	6300
REMINGTON	209P	"HI-SKOR" 700-X	16.5*	FED.	1250	24	1160	4800
REMINGTON	209P	"HI-SKOR" 700-X	17.5*	FED.	1250	24	1205	5300
REMINGTON	209P	"HI-SKOR" 700-X	18.5*	FED.	1250	24	1250	6000
REMINGTON	209P	"HI-SKOR" 700-X	20.5*	FED.	1250	24	1340	7300
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	ACTIV	TG-30	24	1145	4800
REMINGTON	209P	"HI-SKOR" 700-X	17.5*	ACTIV	TG-30	24	1210	5500
REMINGTON	209P	"HI-SKOR" 700-X	18.5*	ACTIV	TG-30	24	1250	6100
REMINGTON	209P	"HI-SKOR" 700-X	20.0*	ACTIV	TG-30	24	1320	7000
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	24	1150	5100
WINCHESTER	209	"HI-SKOR" 700-X	16.5*	WIN.	WAA12SL	24	1200	5700
WINCHESTER	209	"HI-SKOR" 700-X	17.5*	WIN.	WAA12SL	24	1250	6400
WINCHESTER	209	"HI-SKOR" 700-X	19.0*	WIN.	WAA12SL	24	1320	7500
WINCHESTER	209	"HI-SKOR" 700-X	16.0*	CB.	CB1100-12	24	1155	4900
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	CB.	CB1100-12	24	1210	5500
WINCHESTER	209	"HI-SKOR" 700-X	18.0*	CB.	CB1100-12	24	1260	6200
WINCHESTER	209	"HI-SKOR" 700-X	19.5*	CB.	CB1100-12	24	1335	7300
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	REM.	TGT12	24	1150	5200
WINCHESTER	209	"HI-SKOR" 700-X	16.5*	REM.	TGT12	24	1195	5800
WINCHESTER	209	"HI-SKOR" 700-X	17.5*	REM.	TGT12	24	1245	6400
WINCHESTER	209	"HI-SKOR" 700-X	19.5*	REM.	TGT12	24	1335	7800
WINCHESTER	209	"HI-SKOR" 700-X	16.0*	CB.	CB2100-12	24	1160	5300
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	CB.	CB2100-12	24	1210	5900
WINCHESTER	209	"HI-SKOR" 700-X	18.0*	CB.	CB2100-12	24	1260	6500
WINCHESTER	209	"HI-SKOR" 700-X	19.5*	CB.	CB2100-12	24	1335	7400
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	FED.	1250	24	1145	5400
WINCHESTER	209	"HI-SKOR" 700-X	16.5*	FED.	1250	24	1195	6100
WINCHESTER	209	"HI-SKOR" 700-X	17.5*	FED.	1250	24	1250	6700
WINCHESTER	209	"HI-SKOR" 700-X	19.5*	FED.	1250	24	1330	7800
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	ACTIV	TG-30	24	1145	5600
WINCHESTER	209	"HI-SKOR" 700-X	16.5*	ACTIV	TG-30	24	1195	6300
WINCHESTER	209	"HI-SKOR" 700-X	17.5*	ACTIV	TG-30	24	1245	7000
WINCHESTER	209	"HI-SKOR" 700-X	19.5*	ACTIV	TG-30	24	1335	8400

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2 3/4 INCH 24 GRAM LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL								
FEDERAL	209A	PB	20.0*	WIN.	WAA12SL	24	1155	5000
FEDERAL	209A	PB	21.0*	WIN.	WAA12SL	24	1195	5300
FEDERAL	209A	PB	22.5*	WIN.	WAA12SL	24	1250	5900
FEDERAL	209A	PB	24.5*	WIN.	WAA12SL	24	1325	6600
FEDERAL	209A	PB	20.0*	CB.	CB2118-12	24	1150	4900
FEDERAL	209A	PB	21.0*	CB.	CB2118-12	24	1190	5400
FEDERAL	209A	PB	22.5*	CB.	CB2118-12	24	1250	6000
FEDERAL	209A	PB	24.5*	CB.	CB2118-12	24	1330	6900
FEDERAL	209A	PB	20.0*	REM.	TGT12	24	1145	4700
FEDERAL	209A	PB	21.5*	REM.	TGT12	24	1205	5300
FEDERAL	209A	PB	23.0*	REM.	TGT12	24	1265	6000
FEDERAL	209A	PB	24.5*	REM.	TGT12	24	1325	6700
FEDERAL	209A	PB	20.0*	FED.	12S3	24	1155	5200
FEDERAL	209A	PB	21.0*	FED.	12S3	24	1195	5600
FEDERAL	209A	PB	22.5*	FED.	12S3	24	1260	6300
FEDERAL	209A	PB	24.0*	FED.	12S3	24	1320	7000
FEDERAL	209A	PB	20.0*	ACTIV	TG-30	24	1145	5000
FEDERAL	209A	PB	21.5*	ACTIV	TG-30	24	1205	5600
FEDERAL	209A	PB	22.5*	ACTIV	TG-30	24	1250	6100
FEDERAL	209A	PB	24.5*	ACTIV	TG-30	24	1330	7000
REMINGTON	209P	PB	21.0*	WIN.	WAA12SL	24	1140	3900
REMINGTON	209P	PB	22.5*	WIN.	WAA12SL	24	1195	4400
REMINGTON	209P	PB	24.0*	WIN.	WAA12SL	24	1255	5100
REMINGTON	209P	PB	25.5*	WIN.	WAA12SL	24	1320	5700
REMINGTON	209P	PB	21.0*	CB.	CB2118-12	24	1150	4300
REMINGTON	209P	PB	22.5*	CB.	CB2118-12	24	1205	4700
REMINGTON	209P	PB	24.0*	CB.	CB2118-12	24	1265	5300
REMINGTON	209P	PB	25.5*	CB.	CB2118-12	24	1330	6100
REMINGTON	209P	PB	21.0*	REM.	TGT12	24	1145	3900
REMINGTON	209P	PB	22.5*	REM.	TGT12	24	1200	4500
REMINGTON	209P	PB	24.0*	REM.	TGT12	24	1265	5200
REMINGTON	209P	PB	25.5*	REM.	TGT12	24	1330	6000
REMINGTON	209P	PB	21.0*	FED.	12S3	24	1160	4700
REMINGTON	209P	PB	22.0*	FED.	12S3	24	1205	5100
REMINGTON	209P	PB	23.0*	FED.	12S3	24	1250	5600
REMINGTON	209P	PB	25.0*	FED.	12S3	24	1330	6600
REMINGTON	209P	PB	20.0*	ACTIV	TG-30	24	1140	4800
REMINGTON	209P	PB	22.0*	ACTIV	TG-30	24	1205	5300
REMINGTON	209P	PB	23.5*	ACTIV	TG-30	24	1260	5700
REMINGTON	209P	PB	25.0*	ACTIV	TG-30	24	1325	6400
WINCHESTER	209	PB	20.5*	WIN.	WAA12SL	24	1145	4300
WINCHESTER	209	PB	21.5*	WIN.	WAA12SL	24	1190	4800
WINCHESTER	209	PB	23.0*	WIN.	WAA12SL	24	1255	5400
WINCHESTER	209	PB	25.0*	WIN.	WAA12SL	24	1335	6200
WINCHESTER	209	PB	20.5*	CB.	CB2118-12	24	1150	4800
WINCHESTER	209	PB	21.5*	CB.	CB2118-12	24	1195	5300
WINCHESTER	209	PB	23.0*	CB.	CB2118-12	24	1260	6000
WINCHESTER	209	PB	24.5*	CB.	CB2118-12	24	1320	6600
WINCHESTER	209	PB	20.5*	REM.	TGT12	24	1140	4500
WINCHESTER	209	PB	22.0*	REM.	TGT12	24	1200	5000
WINCHESTER	209	PB	23.5*	REM.	TGT12	24	1265	5700
WINCHESTER	209	PB	25.0*	REM.	TGT12	24	1325	6300
WINCHESTER	209	PB	20.5*	FED.	12S3	24	1145	4800
WINCHESTER	209	PB	22.0*	FED.	12S3	24	1205	5600
WINCHESTER	209	PB	23.0*	FED.	12S3	24	1250	6100
WINCHESTER	209	PB	24.5*	FED.	12S3	24	1320	6900
WINCHESTER	209	PB	20.5*	ACTIV	TG-30	24	1160	5100
WINCHESTER	209	PB	21.5*	ACTIV	TG-30	24	1200	5600
WINCHESTER	209	PB	22.5*	ACTIV	TG-30	24	1250	6100
WINCHESTER	209	PB	24.5*	ACTIV	TG-30	24	1325	6900
FEDERAL	209A	SR7625	23.5*	WIN.	WAA12SL	24	1150	3800
FEDERAL	209A	SR7625	24.5*	WIN.	WAA12SL	24	1190	4200
FEDERAL	209A	SR7625	25.5	WIN.	WAA12SL	24	1255	4800
FEDERAL	209A	SR7625	27.0	WIN.	WAA12SL	24	1320	5600
FEDERAL	209A	SR7625	24.0	CB.	CB2100-12	24	1145	3400
FEDERAL	209A	SR7625	25.5	CB.	CB2100-12	24	1205	3900

*INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP **24 GRAM LOADS ARE 370.4 GRAINS, 7/8 OZ. EQUALS 382.8 GRAINS.
NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2 3/4 INCH 24 GRAM LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL								
FEDERAL	209A	SR7625	26.5	CB.	CB2100-12	24	1250	4300
FEDERAL	209A	SR7625	28.5	CB.	CB2100-12	24	1325	5000
FEDERAL	209A	SR7625	24.0	REM.	TGT12	24	1155	3700
FEDERAL	209A	SR7625	25.0	REM.	TGT12	24	1195	4000
FEDERAL	209A	SR7625	26.5	REM.	TGT12	24	1255	4600
FEDERAL	209A	SR7625	28.5	REM.	TGT12	24	1335	5400
FEDERAL	209A	SR7625	23.5	FED.	12S0	24	1145	3800
FEDERAL	209A	SR7625	25.0	FED.	12S0	24	1205	4300
FEDERAL	209A	SR7625	26.5	FED.	12S0	24	1265	4900
FEDERAL	209A	SR7625	28.0	FED.	12S0	24	1320	5400
FEDERAL	209A	SR7625	23.5*	ACTIV	TG-30	24	1155	4100
FEDERAL	209A	SR7625	24.5*	ACTIV	TG-30	24	1200	4600
FEDERAL	209A	SR7625	26.0*	ACTIV	TG-30	24	1260	5300
FEDERAL	209A	SR7625	28.0*	ACTIV	TG-30	24	1335	5900
WINCHESTER	209	SR7625	24.5*	WIN.	WAA12SL	24	1145	3500
WINCHESTER	209	SR7625	25.5	WIN.	WAA12SL	24	1195	3800
WINCHESTER	209	SR7625	27.0	WIN.	WAA12SL	24	1265	4600
WINCHESTER	209	SR7625	28.5	WIN.	WAA12SL	24	1335	5400
WINCHESTER	209	SR7625	25.0	CB.	CB2100-12	24	1155	3300
WINCHESTER	209	SR7625	26.0	CB.	CB2100-12	24	1195	3600
WINCHESTER	209	SR7625	27.5	CB.	CB2100-12	24	1250	4000
WINCHESTER	209	SR7625	29.5	CB.	CB2100-12	24	1322	4600
WINCHESTER	209	SR7625	24.5	REM.	TGT12	24	1150	3500
WINCHESTER	209	SR7625	25.5	REM.	TGT12	24	1195	3700
WINCHESTER	209	SR7625	27.0	REM.	TGT12	24	1250	4200
WINCHESTER	209	SR7625	29.0	REM.	TGT12	24	1330	4900
WINCHESTER	209	SR7625	24.5	FED.	12S0	24	1155	3700
WINCHESTER	209	SR7625	25.5	FED.	12S0	24	1200	4000
WINCHESTER	209	SR7625	27.0	FED.	12S0	24	1255	4500
WINCHESTER	209	SR7625	29.0	FED.	12S0	24	1330	5200
WINCHESTER	209	SR7625	23.5*	ACTIV	TG-30	24	1140	3900
WINCHESTER	209	SR7625	25.0*	ACTIV	TG-30	24	1200	4400
WINCHESTER	209	SR7625	26.5*	ACTIV	TG-30	24	1260	5000
WINCHESTER	209	SR7625	28.0*	ACTIV	TG-30	24	1320	5600
SHELL: REMINGTON PREMIER (RTL)								
FEDERAL	209A	"HI-SKOR" 700-X	14.5*	WIN.	WAA12SL	24	1140	6500
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	24	1195	7300
FEDERAL	209A	"HI-SKOR" 700-X	16.5*	WIN.	WAA12SL	24	1245	8200
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	24	1335	10000
FEDERAL	209A	"HI-SKOR" 700-X	15.0*	CB.	CB1100-12	24	1155	5900
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	CB.	CB1100-12	24	1205	6700
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	CB.	CB1100-12	24	1255	7600
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	CB.	CB1100-12	24	1330	8900
FEDERAL	209A	"HI-SKOR" 700-X	15.0*	REM.	TGT12	24	1160	6500
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	REM.	TGT12	24	1210	7400
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	REM.	TGT12	24	1265	8300
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	REM.	TGT12	24	1335	9600
FEDERAL	209A	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	24	1155	6100
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB2100-12	24	1210	6800
FEDERAL	209A	"HI-SKOR" 700-X	17.0	CB.	CB2100-12	24	1260	7600
FEDERAL	209A	"HI-SKOR" 700-X	18.5	CB.	CB2100-12	24	1325	8600
FEDERAL	209A	"HI-SKOR" 700-X	15.0	FED.	12S0	24	1160	6600
FEDERAL	209A	"HI-SKOR" 700-X	16.0	FED.	12S0	24	1210	7400
FEDERAL	209A	"HI-SKOR" 700-X	17.0	FED.	12S0	24	1260	8100
FEDERAL	209A	"HI-SKOR" 700-X	18.5	FED.	12S0	24	1325	9200
FEDERAL	209A	"HI-SKOR" 700-X	14.5	ACTIV	TG-30	24	1155	6900
FEDERAL	209A	"HI-SKOR" 700-X	15.5	ACTIV	TG-30	24	1200	7600
FEDERAL	209A	"HI-SKOR" 700-X	16.5	ACTIV	TG-30	24	1250	8300
FEDERAL	209A	"HI-SKOR" 700-X	18.0	ACTIV	TG-30	24	1320	9600
REMINGTON	209P	"HI-SKOR" 700-X	15.0*	WIN.	WAA12SL	24	1155	6400
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	WIN.	WAA12SL	24	1210	7200
REMINGTON	209P	"HI-SKOR" 700-X	17.0*	WIN.	WAA12SL	24	1255	7900
REMINGTON	209P	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	24	1320	8900
REMINGTON	209P	"HI-SKOR" 700-X	15.5*	CB.	CB1100-12	24	1155	5500
REMINGTON	209P	"HI-SKOR" 700-X	16.5*	CB.	CB1100-12	24	1210	6400
REMINGTON	209P	"HI-SKOR" 700-X	17.5*	CB.	CB1100-12	24	1260	7200
REMINGTON	209P	"HI-SKOR" 700-X	19.0*	CB.	CB1100-12	24	1335	8400
REMINGTON	209P	"HI-SKOR" 700-X	15.0*	REM.	TGT12	24	1150	5800
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	REM.	TGT12	24	1200	6600
REMINGTON	209P	"HI-SKOR" 700-X	17.0*	REM.	TGT12	24	1250	7300
REMINGTON	209P	"HI-SKOR" 700-X	19.0*	REM.	TGT12	24	1335	8700
REMINGTON	209P	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	24	1150	5700

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. **DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

12 GAUGE 2 3/4 INCH 24 GRAM LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)								
REMINGTON	209P	"HI-SKOR" 700-X	16.0	CB.	CB2100-12	24	1200	6600
REMINGTON	209P	"HI-SKOR" 700-X	17.0	CB.	CB2100-12	24	1250	7400
REMINGTON	209P	"HI-SKOR" 700-X	18.5	CB.	CB2100-12	24	1330	8600
REMINGTON	209P	"HI-SKOR" 700-X	15.0	FED.	12S0	24	1150	6100
REMINGTON	209P	"HI-SKOR" 700-X	16.0	FED.	12S0	24	1205	7200
REMINGTON	209P	"HI-SKOR" 700-X	17.0	FED.	12S0	24	1260	8200
REMINGTON	209P	"HI-SKOR" 700-X	18.5	FED.	12S0	24	1340	9800
REMINGTON	209P	"HI-SKOR" 700-X	15.0	ACTIV	TG-30	24	1155	6400
REMINGTON	209P	"HI-SKOR" 700-X	16.0	ACTIV	TG-30	24	1210	7300
REMINGTON	209P	"HI-SKOR" 700-X	17.0	ACTIV	TG-30	24	1260	8200
REMINGTON	209P	"HI-SKOR" 700-X	18.5	ACTIV	TG-30	24	1330	9300
WINCHESTER	209	"HI-SKOR" 700-X	15.0*	WIN.	WAA12SL	24	1160	6700
WINCHESTER	209	"HI-SKOR" 700-X	16.0*	WIN.	WAA12SL	24	1210	7600
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	WIN.	WAA12SL	24	1260	8400
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	24	1335	9700
WINCHESTER	209	"HI-SKOR" 700-X	15.0	CB.	CB1100-12	24	1140	5300
WINCHESTER	209	"HI-SKOR" 700-X	16.0	CB.	CB1100-12	24	1200	6300
WINCHESTER	209	"HI-SKOR" 700-X	17.0	CB.	CB1100-12	24	1250	7200
WINCHESTER	209	"HI-SKOR" 700-X	18.5	CB.	CB1100-12	24	1325	8500
WINCHESTER	209	"HI-SKOR" 700-X	15.0*	REM.	TGT12	24	1155	6300
WINCHESTER	209	"HI-SKOR" 700-X	16.0*	REM.	TGT12	24	1205	7200
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	REM.	TGT12	24	1260	8000
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	REM.	TGT12	24	1335	9200
WINCHESTER	209	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	24	1145	5700
WINCHESTER	209	"HI-SKOR" 700-X	16.0	CB.	CB2100-12	24	1200	6400
WINCHESTER	209	"HI-SKOR" 700-X	17.0	CB.	CB2100-12	24	1255	7200
WINCHESTER	209	"HI-SKOR" 700-X	18.5	CB.	CB2100-12	24	1335	8500
WINCHESTER	209	"HI-SKOR" 700-X	15.0	FED.	12S0	24	1160	6300
WINCHESTER	209	"HI-SKOR" 700-X	16.0	FED.	12S0	24	1215	7200
WINCHESTER	209	"HI-SKOR" 700-X	17.0	FED.	12S0	24	1265	8100
WINCHESTER	209	"HI-SKOR" 700-X	18.5	FED.	12S0	24	1335	9400
WINCHESTER	209	"HI-SKOR" 700-X	14.5	ACTIV	TG-30	24	1135	6200
WINCHESTER	209	"HI-SKOR" 700-X	15.5	ACTIV	TG-30	24	1190	7100
WINCHESTER	209	"HI-SKOR" 700-X	17.0	ACTIV	TG-30	24	1265	8500
WINCHESTER	209	"HI-SKOR" 700-X	18.5	ACTIV	TG-30	24	1335	9700
FEDERAL	209A	PB	17.5	WIN.	WAA12SL	24	1155	6400
FEDERAL	209A	PB	18.5	WIN.	WAA12SL	24	1200	7100
FEDERAL	209A	PB	20.0	WIN.	WAA12SL	24	1265	8100
FEDERAL	209A	PB	21.5	WIN.	WAA12SL	24	1330	9000
FEDERAL	209A	PB	18.0	CB.	CB1100-12	24	1140	5100
FEDERAL	209A	PB	19.5	CB.	CB1100-12	24	1205	6100
FEDERAL	209A	PB	20.5	CB.	CB1100-12	24	1250	6800
FEDERAL	209A	PB	22.5	CB.	CB1100-12	24	1330	7800
FEDERAL	209A	PB	18.0	REM.	TGT12	24	1145	5500
FEDERAL	209A	PB	19.5	REM.	TGT12	24	1205	6300
FEDERAL	209A	PB	20.5	REM.	TGT12	24	1250	6700
FEDERAL	209A	PB	22.5	REM.	TGT12	24	1330	7800
FEDERAL	209A	PB	18.0	FED.	12S0	24	1155	6300
FEDERAL	209A	PB	19.0	FED.	12S0	24	1195	6900
FEDERAL	209A	PB	20.5	FED.	12S0	24	1255	7800
FEDERAL	209A	PB	22.0	FED.	12S0	24	1320	8700
FEDERAL	209A	PB	18.5	ACTIV	TG-30	24	1150	5800
FEDERAL	209A	PB	19.5	ACTIV	TG-30	24	1190	6300
FEDERAL	209A	PB	21.0	ACTIV	TG-30	24	1255	7100
FEDERAL	209A	PB	22.5	ACTIV	TG-30	24	1320	8000
REMINGTON	209P	PB	18.5	WIN.	WAA12SL	24	1145	5400
REMINGTON	209P	PB	19.5	WIN.	WAA12SL	24	1195	6200
REMINGTON	209P	PB	21.0	WIN.	WAA12SL	24	1265	7300
REMINGTON	209P	PB	22.5	WIN.	WAA12SL	24	1325	8000
REMINGTON	209P	PB	19.5	CB.	CB1100-12	24	1140	4300
REMINGTON	209P	PB	21.0	CB.	CB1100-12	24	1205	5100
REMINGTON	209P	PB	22.0	CB.	CB1100-12	24	1250	5600
REMINGTON	209P	PB	24.0	CB.	CB1100-12	24	1330	6400
REMINGTON	209P	PB	19.5	REM.	TGT12	24	1155	4800
REMINGTON	209P	PB	20.5	REM.	TGT12	24	1195	5200
REMINGTON	209P	PB	22.0	REM.	TGT12	24	1260	6000

*INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP **24 GRAM LOADS ARE 370.4 GRAINS, 7/8 OZ. EQUALS 382.8 GRAINS.
NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2 3/4 INCH 24 GRAM LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)						Grams**		
REMINGTON	209P	PB	23.5	REM.	TGT12	24	1325	6900
REMINGTON	209P	PB	19.0	FED.	12S0	24	1145	5300
REMINGTON	209P	PB	20.5	FED.	12S0	24	1210	6300
REMINGTON	209P	PB	21.5	FED.	12S0	24	1255	6800
REMINGTON	209P	PB	23.5	FED.	12S0	24	1335	7700
REMINGTON	209P	PB	19.0	ACTIV	TG-30	24	1140	5200
REMINGTON	209P	PB	20.5	ACTIV	TG-30	24	1210	6000
REMINGTON	209P	PB	21.5	ACTIV	TG-30	24	1255	6500
REMINGTON	209P	PB	23.5	ACTIV	TG-30	24	1335	7500
WINCHESTER	209	PB	18.0	WIN.	WAA12SL	24	1140	5600
WINCHESTER	209	PB	19.5	WIN.	WAA12SL	24	1200	6400
WINCHESTER	209	PB	20.5	WIN.	WAA12SL	24	1245	7000
WINCHESTER	209	PB	22.5	WIN.	WAA12SL	24	1330	8100
WINCHESTER	209	PB	19.0	CB.	CB1100-12	24	1145	4700
WINCHESTER	209	PB	20.5	CB.	CB1100-12	24	1205	5200
WINCHESTER	209	PB	21.5	CB.	CB1100-12	24	1245	5600
WINCHESTER	209	PB	23.5	CB.	CB1100-12	24	1330	6400
WINCHESTER	209	PB	19.0	REM.	TGT12	24	1155	5200
WINCHESTER	209	PB	20.0	REM.	TGT12	24	1200	5700
WINCHESTER	209	PB	21.0	REM.	TGT12	24	1245	6200
WINCHESTER	209	PB	23.0	REM.	TGT12	24	1330	7300
WINCHESTER	209	PB	19.0	FED.	12S0	24	1145	5400
WINCHESTER	209	PB	20.5	FED.	12S0	24	1210	6300
WINCHESTER	209	PB	21.5	FED.	12S0	24	1250	6800
WINCHESTER	209	PB	23.5	FED.	12S0	24	1335	7700
WINCHESTER	209	PB	19.0	ACTIV	TG-30	24	1155	5700
WINCHESTER	209	PB	20.0	ACTIV	TG-30	24	1190	6100
WINCHESTER	209	PB	21.5	ACTIV	TG-30	24	1255	6900
WINCHESTER	209	PB	23.0	ACTIV	TG-30	24	1325	7800
FEDERAL	209A	SR7625	20.5	WIN.	WAA12SL	24	1155	5700
FEDERAL	209A	SR7625	21.5	WIN.	WAA12SL	24	1195	6200
FEDERAL	209A	SR7625	23.0	WIN.	WAA12SL	24	1250	6800
FEDERAL	209A	SR7625	25.0	WIN.	WAA12SL	24	1320	7500
FEDERAL	209A	SR7625	21.5	CB.	CB1100-12	24	1150	4600
FEDERAL	209A	SR7625	23.0	CB.	CB1100-12	24	1210	5100
FEDERAL	209A	SR7625	24.0	CB.	CB1100-12	24	1250	5600
FEDERAL	209A	SR7625	26.0	CB.	CB1100-12	24	1330	6500
FEDERAL	209A	SR7625	22.0*	REM.	FIG8	24	1150	4700
FEDERAL	209A	SR7625	23.0*	REM.	FIG8	24	1195	5200
FEDERAL	209A	SR7625	24.5*	REM.	FIG8	24	1260	6000
FEDERAL	209A	SR7625	26.0*	REM.	FIG8	24	1320	6800
FEDERAL	209A	SR7625	21.5	FED.	12S0	24	1155	5300
FEDERAL	209A	SR7625	22.5	FED.	12S0	24	1200	5700
FEDERAL	209A	SR7625	24.0	FED.	12S0	24	1260	6500
FEDERAL	209A	SR7625	25.0	FED.	12S0	24	1325	7300
FEDERAL	209A	SR7625	21.0	ACTIV	TG-30	24	1140	5100
FEDERAL	209A	SR7625	22.5	ACTIV	TG-30	24	1200	5700
FEDERAL	209A	SR7625	23.5	ACTIV	TG-30	24	1245	6200
FEDERAL	209A	SR7625	25.5	ACTIV	TG-30	24	1325	7200
REMINGTON	209P	SR7625	21.5	WIN.	WAA12SL	24	1155	4800
REMINGTON	209P	SR7625	23.0	WIN.	WAA12SL	24	1205	5300
REMINGTON	209P	SR7625	24.5	WIN.	WAA12SL	24	1255	5800
REMINGTON	209P	SR7625	26.0	WIN.	WAA12SL	24	1325	6800
REMINGTON	209P	SR7625	23.5	CB.	CB1100-12	24	1145	3200
REMINGTON	209P	SR7625	25.0	CB.	CB1100-12	24	1205	3800
REMINGTON	209P	SR7625	26.0	CB.	CB1100-12	24	1250	4400
REMINGTON	209P	SR7625	27.5	CB.	CB1100-12	24	1320	5300
REMINGTON	209P	SR7625	22.0*	REM.	FIG8	24	1140	4200
REMINGTON	209P	SR7625	23.5*	REM.	FIG8	24	1205	4900
REMINGTON	209P	SR7625	24.5*	REM.	FIG8	24	1245	5300
REMINGTON	209P	SR7625	26.5*	REM.	FIG8	24	1325	6200
REMINGTON	209P	SR7625	21.5	FED.	12S0	24	1155	4600
REMINGTON	209P	SR7625	23.0	FED.	12S0	24	1210	5300
REMINGTON	209P	SR7625	24.0	FED.	12S0	24	1250	5800
REMINGTON	209P	SR7625	26.0	FED.	12S0	24	1335	6900
REMINGTON	209P	SR7625	21.5	ACTIV	TG-30	24	1155	4900
REMINGTON	209P	SR7625	23.0	ACTIV	TG-30	24	1210	5200
REMINGTON	209P	SR7625	24.5	ACTIV	TG-30	24	1260	5600
REMINGTON	209P	SR7625	26.0	ACTIV	TG-30	24	1320	6300

*INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP **24 GRAM LOADS ARE 370.4 GRAINS, 7/8 OZ. EQUALS 382.8 GRAINS.
NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2 3/4 INCH 24 GRAM LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)						Grams**		
WINCHESTER	209	SR7625	21.0	WIN.	WAA12SL	24	1160	5300
WINCHESTER	209	SR7625	22.0	WIN.	WAA12SL	24	1205	5900
WINCHESTER	209	SR7625	23.0	WIN.	WAA12SL	24	1250	6400
WINCHESTER	209	SR7625	24.5	WIN.	WAA12SL	24	1320	7300
WINCHESTER	209	SR7625	23.0	CB.	CB1100-12	24	1145	3800
WINCHESTER	209	SR7625	24.5	CB.	CB1100-12	24	1210	4400
WINCHESTER	209	SR7625	25.5	CB.	CB1100-12	24	1255	4900
WINCHESTER	209	SR7625	27.0	CB.	CB1100-12	24	1325	5700
WINCHESTER	209	SR7625	22.5*	REM.	FIG8	24	1160	4600
WINCHESTER	209	SR7625	23.5*	REM.	FIG8	24	1205	5100
WINCHESTER	209	SR7625	24.5*	REM.	FIG8	24	1245	5600
WINCHESTER	209	SR7625	26.5*	REM.	FIG8	24	1325	6500
WINCHESTER	209	SR7625	22.5	FED.	12S0	24	1160	4800
WINCHESTER	209	SR7625	23.5	FED.	12S0	24	1210	5300
WINCHESTER	209	SR7625	24.5	FED.	12S0	24	1255	6000
WINCHESTER	209	SR7625	26.0	FED.	12S0	24	1325	6900
WINCHESTER	209	SR7625	21.5	ACTIV	TG-30	24	1145	5000
WINCHESTER	209	SR7625	23.0	ACTIV	TG-30	24	1205	5600
WINCHESTER	209	SR7625	24.0	ACTIV	TG-30	24	1250	6100
WINCHESTER	209	SR7625	25.5	ACTIV	TG-30	24	1320	7000
SHELL: WINCHESTER AA						Grams**		
FEDERAL	209A	"HI-SKOR" 700-X	14.5*	WIN.	WAA12SL	24	1145	6400
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	24	1195	7000
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	WIN.	WAA12SL	24	1260	8100
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	24	1320	9100
FEDERAL	209A	"HI-SKOR" 700-X	14.5*	CB.	CB1100-12	24	1140	5700
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	CB.	CB1100-12	24	1190	6400
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	CB.	CB1100-12	24	1260	7400
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	CB.	CB1100-12	24	1325	8300
FEDERAL	209A	"HI-SKOR" 700-X	14.5*	REM.	TGT12	24	1140	6000
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	REM.	TGT12	24	1210	7000
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	REM.	TGT12	24	1255	7800
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	REM.	TGT12	24	1320	8600
FEDERAL	209A	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	24	1160	5900
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB2100-12	24	1210	6700
FEDERAL	209A	"HI-SKOR" 700-X	17.0	CB.	CB2100-12	24	1260	7500
FEDERAL	209A	"HI-SKOR" 700-X	18.5	CB.	CB2100-12	24	1325	8600
FEDERAL	209A	"HI-SKOR" 700-X	15.0	FED.	12S0	24	1150	6400
FEDERAL	209A	"HI-SKOR" 700-X	16.0	FED.	12S0	24	1200	7100
FEDERAL	209A	"HI-SKOR" 700-X	17.0	FED.	12S0	24	1250	7900
FEDERAL	209A	"HI-SKOR" 700-X	18.5	FED.	12S0	24	1325	9000
FEDERAL	209A	"HI-SKOR" 700-X	15.0	ACTIV	TG-30	24	1145	6000
FEDERAL	209A	"HI-SKOR" 700-X	16.0	ACTIV	TG-30	24	1205	7100
FEDERAL	209A	"HI-SKOR" 700-X	17.0	ACTIV	TG-30	24	1255	8000
FEDERAL	209A	"HI-SKOR" 700-X	18.5	ACTIV	TG-30	24	1320	9100
REMINGTON	209P	"HI-SKOR" 700-X	15.0*	WIN.	WAA12SL	24	1140	5300
REMINGTON	209P	"HI-SKOR" 700-X	16.5*	WIN.	WAA12SL	24	1200	6000
REMINGTON	209P	"HI-SKOR" 700-X	18.0*	WIN.	WAA12SL	24	1265	6800
REMINGTON	209P	"HI-SKOR" 700-X	19.5*	WIN.	WAA12SL	24	1330	7600
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	CB.	CB1100-12	24	1145	4100
REMINGTON	209P	"HI-SKOR" 700-X	17.5*	CB.	CB1100-12	24	1200	4800
REMINGTON	209P	"HI-SKOR" 700-X	19.0*	CB.	CB1100-12	24	1265	5500
REMINGTON	209P	"HI-SKOR" 700-X	20.5*	CB.	CB1100-12	24	1335	6400
REMINGTON	209P	"HI-SKOR" 700-X	15.5*	REM.	TGT12	24	1150	5000
REMINGTON	209P	"HI-SKOR" 700-X	16.5*	REM.	TGT12	24	1190	5500
REMINGTON	209P	"HI-SKOR" 700-X	18.0*	REM.	TGT12	24	1250	6100
REMINGTON	209P	"HI-SKOR" 700-X	20.5*	REM.	TGT12	24	1325	6800
REMINGTON	209P	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	24	1140	4800
REMINGTON	209P	"HI-SKOR" 700-X	16.5	CB.	CB2100-12	24	1200	5200
REMINGTON	209P	"HI-SKOR" 700-X	18.0	CB.	CB2100-12	24	1255	5600
REMINGTON	209P	"HI-SKOR" 700-X	20.0	CB.	CB2100-12	24	1325	6300
REMINGTON	209P	"HI-SKOR" 700-X	15.0	FED.	12S0	24	1150	5000
REMINGTON	209P	"HI-SKOR" 700-X	16.5	FED.	12S0	24	1190	5600
REMINGTON	209P	"HI-SKOR" 700-X	18.0	FED.	12S0	24	1250	6300
REMINGTON	209P	"HI-SKOR" 700-X	19.5	FED.	12S0	24	1320	7600
REMINGTON	209P	"HI-SKOR" 700-X	15.5	ACTIV	TG-30	24	1145	5400
REMINGTON	209P	"HI-SKOR" 700-X	16.5	ACTIV	TG-30	24	1200	6100
REMINGTON	209P	"HI-SKOR" 700-X	18.0	ACTIV	TG-30	24	1255	6700
REMINGTON	209P	"HI-SKOR" 700-X	20.0	ACTIV	TG-30	24	1330	7500

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2 3/4 INCH 24 GRAM LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER AA								
WINCHESTER	209	"HI-SKOR" 700-X	14.5*	WIN.	WAA12SL	24	1140	6300
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	24	1190	7100
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	WIN.	WAA12SL	24	1260	8200
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	24	1325	9100
WINCHESTER	209	"HI-SKOR" 700-X	14.5*	CB.	CB1100-12	24	1135	5600
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	CB.	CB1100-12	24	1190	6300
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	CB.	CB1100-12	24	1260	7300
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	CB.	CB1100-12	24	1325	8400
WINCHESTER	209	"HI-SKOR" 700-X	14.5*	REM.	TGT12	24	1140	6000
WINCHESTER	209	"HI-SKOR" 700-X	16.0*	REM.	TGT12	24	1205	6900
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	REM.	TGT12	24	1250	7600
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	REM.	TGT12	24	1320	8700
WINCHESTER	209	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	24	1140	5400
WINCHESTER	209	"HI-SKOR" 700-X	16.0	CB.	CB2100-12	24	1195	6400
WINCHESTER	209	"HI-SKOR" 700-X	17.0	CB.	CB2100-12	24	1250	7200
WINCHESTER	209	"HI-SKOR" 700-X	18.5	CB.	CB2100-12	24	1320	8600
WINCHESTER	209	"HI-SKOR" 700-X	14.5	FED.	12SO	24	1145	6600
WINCHESTER	209	"HI-SKOR" 700-X	15.5	FED.	12SO	24	1195	7300
WINCHESTER	209	"HI-SKOR" 700-X	17.0	FED.	12SO	24	1265	8300
WINCHESTER	209	"HI-SKOR" 700-X	18.5	FED.	12SO	24	1325	9300
WINCHESTER	209	"HI-SKOR" 700-X	15.0	ACTIV	TG-30	24	1150	6200
WINCHESTER	209	"HI-SKOR" 700-X	16.0	ACTIV	TG-30	24	1205	7200
WINCHESTER	209	"HI-SKOR" 700-X	17.0	ACTIV	TG-30	24	1255	7900
WINCHESTER	209	"HI-SKOR" 700-X	18.5	ACTIV	TG-30	24	1320	8900
FEDERAL	209A	PB	18.0	WIN.	WAA12SL	24	1160	5800
FEDERAL	209A	PB	19.0	WIN.	WAA12SL	24	1195	6200
FEDERAL	209A	PB	20.5	WIN.	WAA12SL	24	1255	6900
FEDERAL	209A	PB	22.5	WIN.	WAA12SL	24	1330	7800
FEDERAL	209A	PB	18.5	CB.	CB1100-12	24	1155	4900
FEDERAL	209A	PB	20.0	CB.	CB1100-12	24	1205	5300
FEDERAL	209A	PB	21.0	CB.	CB1100-12	24	1245	5600
FEDERAL	209A	PB	23.0	CB.	CB1100-12	24	1320	6600
FEDERAL	209A	PB	18.0*	REM.	FIG8	24	1145	5200
FEDERAL	209A	PB	19.5*	REM.	FIG8	24	1200	5800
FEDERAL	209A	PB	21.0*	REM.	FIG8	24	1255	6500
FEDERAL	209A	PB	23.0*	REM.	FIG8	24	1325	7200
FEDERAL	209A	PB	18.5	FED.	12SO	24	1150	5500
FEDERAL	209A	PB	19.5	FED.	12SO	24	1190	6000
FEDERAL	209A	PB	21.0	FED.	12SO	24	1250	6600
FEDERAL	209A	PB	23.0	FED.	12SO	24	1330	7900
FEDERAL	209A	PB	18.5	ACTIV	TG-30	24	1140	5100
FEDERAL	209A	PB	20.0	ACTIV	TG-30	24	1205	6000
FEDERAL	209A	PB	21.0	ACTIV	TG-30	24	1255	6700
FEDERAL	209A	PB	23.0	ACTIV	TG-30	24	1330	7700
REMINGTON	209P	PB	18.5	WIN.	WINAA12SL	24	1140	4800
REMINGTON	209P	PB	20.0	WIN.	WINAA12SL	24	1195	5400
REMINGTON	209P	PB	21.5	WIN.	WINAA12SL	24	1255	6100
REMINGTON	209P	PB	23.5	WIN.	WINAA12SL	24	1335	7200
REMINGTON	209P	PB	19.5	CB.	CB1100-12	24	1155	4200
REMINGTON	209P	PB	20.5	CB.	CB1100-12	24	1195	4500
REMINGTON	209P	PB	22.0	CB.	CB1100-12	24	1250	5000
REMINGTON	209P	PB	24.5	CB.	CB1100-12	24	1330	5700
REMINGTON	209P	PB	19.5*	REM.	FIG8	24	1150	4500
REMINGTON	209P	PB	20.5*	REM.	FIG8	24	1190	5000
REMINGTON	209P	PB	22.0*	REM.	FIG8	24	1255	5800
REMINGTON	209P	PB	23.5*	REM.	FIG8	24	1320	6700
REMINGTON	209P	PB	19.5	FED.	12SO	24	1155	4900
REMINGTON	209P	PB	20.5	FED.	12SO	24	1200	5400
REMINGTON	209P	PB	22.0	FED.	12SO	24	1255	6100
REMINGTON	209P	PB	24.0	FED.	12SO	24	1325	6800
REMINGTON	209P	PB	19.5	ACTIV	TG-30	24	1150	4700
REMINGTON	209P	PB	20.5	ACTIV	TG-30	24	1190	5100
REMINGTON	209P	PB	22.0	ACTIV	TG-30	24	1255	5800
REMINGTON	209P	PB	23.5	ACTIV	TG-30	24	1320	6500
WINCHESTER	209	PB	18.0	WIN.	WAA12SL	24	1145	5500
WINCHESTER	209	PB	19.5	WIN.	WAA12SL	24	1200	6000
WINCHESTER	209	PB	21.0	WIN.	WAA12SL	24	1260	6500
WINCHESTER	209	PB	22.5	WIN.	WAA12SL	24	1325	7500
WINCHESTER	209	PB	19.0	CB.	CB1100-12	24	1155	4500
WINCHESTER	209	PB	20.5	CB.	CB1100-12	24	1205	5000
WINCHESTER	209	PB	22.0	CB.	CB1100-12	24	1260	5600
WINCHESTER	209	PB	23.5	CB.	CB1100-12	24	1325	6300

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. **DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

12 GAUGE 2 3/4 INCH 24 GRAM LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER AA								
WINCHESTER	209	PB	19.0*	REM.	FIG8	24	1145	4900
WINCHESTER	209	PB	20.5*	REM.	FIG8	24	1200	5400
WINCHESTER	209	PB	22.0*	REM.	FIG8	24	1255	6100
WINCHESTER	209	PB	23.5*	REM.	FIG8	24	1320	6800
WINCHESTER	209	PB	19.0	FED.	12S0	24	1155	5200
WINCHESTER	209	PB	20.0	FED.	12S0	24	1195	5800
WINCHESTER	209	PB	21.5	FED.	12S0	24	1260	6600
WINCHESTER	209	PB	23.0	FED.	12S0	24	1325	7500
WINCHESTER	209	PB	19.0	ACTIV	TG-30	24	1135	4900
WINCHESTER	209	PB	20.5	ACTIV	TG-30	24	1205	5700
WINCHESTER	209	PB	21.5	ACTIV	TG-30	24	1250	6300
WINCHESTER	209	PB	23.5	ACTIV	TG-30	24	1330	7300
Grams**								
FEDERAL	209A	SR7625	21.0	WIN.	WAA12SL	24	1150	4600
FEDERAL	209A	SR7625	22.5	WIN.	WAA12SL	24	1200	5000
FEDERAL	209A	SR7625	24.0	WIN.	WAA12SL	24	1250	5400
FEDERAL	209A	SR7625	26.0	WIN.	WAA12SL	24	1330	6400
FEDERAL	209A	SR7625	22.5	CB.	CB1100-12	24	1155	3700
FEDERAL	209A	SR7625	23.5	CB.	CB1100-12	24	1195	4000
FEDERAL	209A	SR7625	25.0	CB.	CB1100-12	24	1250	4600
FEDERAL	209A	SR7625	27.0	CB.	CB1100-12	24	1335	5500
FEDERAL	209A	SR7625	22.0*	REM.	FIG8	24	1150	4200
FEDERAL	209A	SR7625	23.0*	REM.	FIG8	24	1195	4700
FEDERAL	209A	SR7625	24.5*	REM.	FIG8	24	1255	5300
FEDERAL	209A	SR7625	26.5*	REM.	FIG8	24	1330	6200
FEDERAL	209A	SR7625	22.0	FED.	12S0	24	1150	4400
FEDERAL	209A	SR7625	23.0	FED.	12S0	24	1195	4800
FEDERAL	209A	SR7625	24.5	FED.	12S0	24	1255	5400
FEDERAL	209A	SR7625	26.0	FED.	12S0	24	1320	6400
FEDERAL	209A	SR7625	21.5	ACTIV	TG-30	24	1145	4200
FEDERAL	209A	SR7625	23.0	ACTIV	TG-30	24	1205	4900
FEDERAL	209A	SR7625	24.0	ACTIV	TG-30	24	1250	5400
FEDERAL	209A	SR7625	26.0	ACTIV	TG-30	24	1325	6400
REMINGTON	209P	SR7625	22.5	WIN.	WAA12SL	24	1150	3700
REMINGTON	209P	SR7625	24.0	WIN.	WAA12SL	24	1210	4400
REMINGTON	209P	SR7625	25.0	WIN.	WAA12SL	24	1250	4800
REMINGTON	209P	SR7625	27.0	WIN.	WAA12SL	24	1320	5500
REMINGTON	209P	SR7625	23.5	CB.	CB1100-12	24	1145	3000
REMINGTON	209P	SR7625	25.0	CB.	CB1100-12	24	1205	3500
REMINGTON	209P	SR7625	26.5	CB.	CB1100-12	24	1265	4100
REMINGTON	209P	SR7625	28.0	CB.	CB1100-12	24	1330	4700
REMINGTON	209P	SR7625	23.0*	REM.	FIG8	24	1150	3700
REMINGTON	209P	SR7625	24.0*	REM.	FIG8	24	1195	4200
REMINGTON	209P	SR7625	25.5*	REM.	FIG8	24	1255	4800
REMINGTON	209P	SR7625	27.5*	REM.	FIG8	24	1335	5700
REMINGTON	209P	SR7625	22.5	FED.	12S0	24	1140	4000
REMINGTON	209P	SR7625	24.0	FED.	12S0	24	1190	4400
REMINGTON	209P	SR7625	25.5	FED.	12S0	24	1250	5200
REMINGTON	209P	SR7625	27.0	FED.	12S0	24	1320	6000
REMINGTON	209P	SR7625	22.5	ACTIV	TG-30	24	1150	3900
REMINGTON	209P	SR7625	23.5	ACTIV	TG-30	24	1195	4400
REMINGTON	209P	SR7625	25.0	ACTIV	TG-30	24	1250	4900
REMINGTON	209P	SR7625	27.5	ACTIV	TG-30	24	1325	5600
WINCHESTER	209	SR7625	22.5	WIN.	WAA12SL	24	1150	4200
WINCHESTER	209	SR7625	23.5	WIN.	WAA12SL	24	1195	4700
WINCHESTER	209	SR7625	25.0	WIN.	WAA12SL	24	1255	5300
WINCHESTER	209	SR7625	27.0	WIN.	WAA12SL	24	1330	6000
WINCHESTER	209	SR7625	23.5	CB.	CB1100-12	24	1150	3500
WINCHESTER	209	SR7625	24.5	CB.	CB1100-12	24	1190	3700
WINCHESTER	209	SR7625	26.0	CB.	CB1100-12	24	1250	4300
WINCHESTER	209	SR7625	28.0	CB.	CB1100-12	24	1330	5000
WINCHESTER	209	SR7625	22.0*	REM.	FIG8	24	1155	4300
WINCHESTER	209	SR7625	23.0*	REM.	FIG8	24	1190	4600
WINCHESTER	209	SR7625	24.5*	REM.	FIG8	24	1245	5100
WINCHESTER	209	SR7625	26.5*	REM.	FIG8	24	1320	5900
WINCHESTER	209	SR7625	22.0	FED.	12S0	24	1140	4100
WINCHESTER	209	SR7625	23.5	FED.	12S0	24	1195	4700
WINCHESTER	209	SR7625	25.0	FED.	12S0	24	1255	5300
WINCHESTER	209	SR7625	27.0	FED.	12S0	24	1335	6200
WINCHESTER	209	SR7625	22.0	ACTIV	TG-30	24	1140	4200
WINCHESTER	209	SR7625	23.5	ACTIV	TG-30	24	1200	4900
WINCHESTER	209	SR7625	25.0	ACTIV	TG-30	24	1255	5500
WINCHESTER	209	SR7625	27.0	ACTIV	TG-30	24	1335	6300

*INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP

** 24 GRAM LOADS ARE 370.4 GRAMS, 7/8 OZ. EQUALS 382.8 GRAMS

12 GAUGE 2³/₄ INCH 1 OUNCE LOADS

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL								
FEDERAL	209A	"HI-SKOR" 700-X	15.0*	WIN.	WAA12SL	1	1100	6000
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	WIN.	WAA12SL	1	1150	6900
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	WIN.	WAA12SL	1	1195	7600
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	1	1250	8500
FEDERAL	209A	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	1	1110	6000
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB2100-12	1	1155	6700
FEDERAL	209A	"HI-SKOR" 700-X	17.0	CB.	CB2100-12	1	1200	7300
FEDERAL	209A	"HI-SKOR" 700-X	18.0	CB.	CB2100-12	1	1245	7900
FEDERAL	209A	"HI-SKOR" 700-X	15.0*	REM.	TGT12	1	1100	5900
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	REM.	TGT12	1	1145	6500
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	REM.	TGT12	1	1190	7100
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	REM.	TGT12	1	1255	8100
FEDERAL	209A	"HI-SKOR" 700-X	15.0	FED.	12S0	1	1110	6100
FEDERAL	209A	"HI-SKOR" 700-X	16.0	FED.	12S0	1	1155	6700
FEDERAL	209A	"HI-SKOR" 700-X	17.0	FED.	12S0	1	1195	7300
FEDERAL	209A	"HI-SKOR" 700-X	18.5	FED.	12S0	1	1250	8200
REMINGTON	209P	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	1	1090	5800
REMINGTON	209P	"HI-SKOR" 700-X	16.5*	WIN.	WAA12SL	1	1150	6600
REMINGTON	209P	"HI-SKOR" 700-X	17.5*	WIN.	WAA12SL	1	1195	7300
REMINGTON	209P	"HI-SKOR" 700-X	19.0*	WIN.	WAA12SL	1	1260	8400
REMINGTON	209P	"HI-SKOR" 700-X	15.5	CB.	CB2100-12	1	1095	5300
REMINGTON	209P	"HI-SKOR" 700-X	16.5	CB.	CB2100-12	1	1145	5800
REMINGTON	209P	"HI-SKOR" 700-X	18.0	CB.	CB2100-12	1	1200	6600
REMINGTON	209P	"HI-SKOR" 700-X	19.5	CB.	CB2100-12	1	1255	7400
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	REM.	TGT12	1	1110	5700
REMINGTON	209P	"HI-SKOR" 700-X	17.0*	REM.	TGT12	1	1155	6200
REMINGTON	209P	"HI-SKOR" 700-X	18.0*	REM.	TGT12	1	1195	6600
REMINGTON	209P	"HI-SKOR" 700-X	19.5*	REM.	TGT12	1	1255	7300
REMINGTON	209P	"HI-SKOR" 700-X	15.0	FED.	12S0	1	1110	5700
REMINGTON	209P	"HI-SKOR" 700-X	16.0	FED.	12S0	1	1145	6300
REMINGTON	209P	"HI-SKOR" 700-X	18.0	FED.	12S0	1	1210	7300
REMINGTON	209P	"HI-SKOR" 700-X	19.5	FED.	12S0	1	1250	8000
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	1	1105	6000
WINCHESTER	209	"HI-SKOR" 700-X	16.5*	WIN.	WAA12SL	1	1150	6700
WINCHESTER	209	"HI-SKOR" 700-X	17.5*	WIN.	WAA12SL	1	1200	7600
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	1	1250	8500
WINCHESTER	209	"HI-SKOR" 700-X	15.5	CB.	CB2100-12	1	1110	5700
WINCHESTER	209	"HI-SKOR" 700-X	16.5	CB.	CB2100-12	1	1160	6400
WINCHESTER	209	"HI-SKOR" 700-X	17.5	CB.	CB2100-12	1	1200	7000
WINCHESTER	209	"HI-SKOR" 700-X	19.0	CB.	CB2100-12	1	1260	8100
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	REM.	TGT12	1	1100	5900
WINCHESTER	209	"HI-SKOR" 700-X	16.5*	REM.	TGT12	1	1145	6600
WINCHESTER	209	"HI-SKOR" 700-X	17.5*	REM.	TGT12	1	1195	7200
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	REM.	TGT12	1	1245	7800
WINCHESTER	209	"HI-SKOR" 700-X	15.5	FED.	12S0	1	1105	5900
WINCHESTER	209	"HI-SKOR" 700-X	16.5	FED.	12S0	1	1155	6700
WINCHESTER	209	"HI-SKOR" 700-X	17.5	FED.	12S0	1	1200	7300
WINCHESTER	209	"HI-SKOR" 700-X	18.5	FED.	12S0	1	1245	7800
FEDERAL	209A	PB	18.0	WIN.	WAA12SL	1	1110	6000
FEDERAL	209A	PB	19.5	WIN.	WAA12SL	1	1155	6600
FEDERAL	209A	PB	21.0	WIN.	WAA12SL	1	1205	7100
FEDERAL	209A	PB	22.5	WIN.	WAA12SL	1	1255	7600
FEDERAL	209A	PB	20.0	CB.	CB1100-12	1	1100	4600
FEDERAL	209A	PB	21.5	CB.	CB1100-12	1	1150	5100
FEDERAL	209A	PB	23.0	CB.	CB1100-12	1	1205	5700
FEDERAL	209A	PB	24.0	CB.	CB1100-12	1	1255	6300
FEDERAL	209A	PB	19.5	REM.	TGT12	1	1105	5100
FEDERAL	209A	PB	20.5	REM.	TGT12	1	1140	5500
FEDERAL	209A	PB	22.0	REM.	TGT12	1	1195	6200
FEDERAL	209A	PB	24.0	REM.	TGT12	1	1260	6800
FEDERAL	209A	PB	19.5	FED.	12S3	1	1105	5400
FEDERAL	209A	PB	20.5	FED.	12S3	1	1145	5900
FEDERAL	209A	PB	22.0	FED.	12S3	1	1210	6700
FEDERAL	209A	PB	23.0	FED.	12S3	1	1260	7100
REMINGTON	209P	PB	20.0	WIN.	WAA12SL	1	1095	4700
REMINGTON	209P	PB	21.5	WIN.	WAA12SL	1	1155	5300
REMINGTON	209P	PB	22.5	WIN.	WAA12SL	1	1195	5800
REMINGTON	209P	PB	24.0	WIN.	WAA12SL	1	1260	6600
REMINGTON	209P	PB	21.0	CB.	CB1100-12	1	1095	3800
REMINGTON	209P	PB	22.0	CB.	CB1100-12	1	1140	4300
REMINGTON	209P	PB	23.5	CB.	CB1100-12	1	1200	5000
REMINGTON	209P	PB	25.0	CB.	CB1100-12	1	1255	5600

*INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP

12 GAUGE 2 3/4 INCH 1 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL								
REMINGTON	209P	PB	20.5	REM.	TGT12	1	1090	4300
REMINGTON	209P	PB	22.0	REM.	TGT12	1	1160	5200
REMINGTON	209P	PB	23.0	REM.	TGT12	1	1205	5700
REMINGTON	209P	PB	24.0	REM.	TGT12	1	1250	6300
REMINGTON	209P	PB	20.0	FED.	12S3	1	1105	5200
REMINGTON	209P	PB	21.0	FED.	12S3	1	1150	5700
REMINGTON	209P	PB	22.5	FED.	12S3	1	1210	6600
REMINGTON	209P	PB	23.5	FED.	12S3	1	1250	7200
WINCHESTER	209	PB	19.5	WIN.	WAA12SL	1	1090	4900
WINCHESTER	209	PB	21.0	WIN.	WAA12SL	1	1150	5400
WINCHESTER	209	PB	22.5	WIN.	WAA12SL	1	1205	6000
WINCHESTER	209	PB	24.0	WIN.	WAA12SL	1	1265	6700
WINCHESTER	209	PB	20.5	CB.	CB1100-12	1	1100	4300
WINCHESTER	209	PB	21.5	CB.	CB1100-12	1	1145	4800
WINCHESTER	209	PB	23.0	CB.	CB1100-12	1	1205	5400
WINCHESTER	209	PB	24.5	CB.	CB1100-12	1	1260	6100
WINCHESTER	209	PB	20.0	REM.	TGT12	1	1110	5300
WINCHESTER	209	PB	21.0	REM.	TGT12	1	1155	5900
WINCHESTER	209	PB	22.0	REM.	TGT12	1	1205	6500
WINCHESTER	209	PB	23.5	REM.	TGT12	1	1255	7000
WINCHESTER	209	PB	19.5	FED.	12S3	1	1105	5100
WINCHESTER	209	PB	21.0	FED.	12S3	1	1155	5800
WINCHESTER	209	PB	22.5	FED.	12S3	1	1210	6500
WINCHESTER	209	PB	23.5	FED.	12S3	1	1250	6900
FEDERAL	209A	SR7625	22.5	WIN.	WAA12SL	1	1105	4600
FEDERAL	209A	SR7625	23.5	WIN.	WAA12SL	1	1160	5200
FEDERAL	209A	SR7625	24.5	WIN.	WAA12SL	1	1210	5900
FEDERAL	209A	SR7625	25.5	WIN.	WAA12SL	1	1265	6600
FEDERAL	209A	SR7625	22.5	CB.	CB2100-12	1	1090	4200
FEDERAL	209A	SR7625	23.5	CB.	CB2100-12	1	1140	4700
FEDERAL	209A	SR7625	25.0	CB.	CB2100-12	1	1200	5300
FEDERAL	209A	SR7625	26.0	CB.	CB2100-12	1	1250	5800
FEDERAL	209A	SR7625	22.0	REM.	TGT12	1	1100	4200
FEDERAL	209A	SR7625	23.0	REM.	TGT12	1	1145	4800
FEDERAL	209A	SR7625	24.0	REM.	TGT12	1	1190	5500
FEDERAL	209A	SR7625	25.5	REM.	TGT12	1	1250	6200
FEDERAL	209A	SR7625	22.0	FED.	12S3	1	1090	4500
FEDERAL	209A	SR7625	23.5	FED.	12S3	1	1160	5400
FEDERAL	209A	SR7625	24.5	FED.	12S3	1	1210	6000
FEDERAL	209A	SR7625	25.5	FED.	12S3	1	1255	6600
WINCHESTER	209	SR7625	22.5	WIN.	WAA12SL	1	1105	4600
WINCHESTER	209	SR7625	23.5	WIN.	WAA12SL	1	1150	4900
WINCHESTER	209	SR7625	25.0	WIN.	WAA12SL	1	1210	5300
WINCHESTER	209	SR7625	26.0	WIN.	WAA12SL	1	1250	5600
WINCHESTER	209	SR7625	22.0	CB.	CB2100-12	1	1095	4300
WINCHESTER	209	SR7625	23.5	CB.	CB2100-12	1	1145	4600
WINCHESTER	209	SR7625	25.0	CB.	CB2100-12	1	1195	4900
WINCHESTER	209	SR7625	26.5	CB.	CB2100-12	1	1245	5200
WINCHESTER	209	SR7625	22.5	REM.	TGT12	1	1105	4300
WINCHESTER	209	SR7625	23.5	REM.	TGT12	1	1145	4700
WINCHESTER	209	SR7625	25.0	REM.	TGT12	1	1205	5400
WINCHESTER	209	SR7625	26.0	REM.	TGT12	1	1245	5900
WINCHESTER	209	SR7625	21.5	FED.	12S3	1	1110	4700
WINCHESTER	209	SR7625	22.5	FED.	12S3	1	1150	5200
WINCHESTER	209	SR7625	24.0	FED.	12S3	1	1210	5900
WINCHESTER	209	SR7625	25.5	FED.	12S3	1	1255	6600
SHELL: REMINGTON PREMIER (RTL)								
FEDERAL	209A	"HI-SKOR" 700-X	14.5	WIN.	WAA12SL	1	1105	7700
FEDERAL	209A	"HI-SKOR" 700-X	15.5	WIN.	WAA12SL	1	1150	8600
FEDERAL	209A	"HI-SKOR" 700-X	16.5	WIN.	WAA12SL	1	1200	9500
FEDERAL	209A	"HI-SKOR" 700-X	18.0	WIN.	WAA12SL	1	1260	10800
FEDERAL	209A	"HI-SKOR" 700-X	14.5	CB.	CB1100-12	1	1090	6600
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB1100-12	1	1160	7900
FEDERAL	209A	"HI-SKOR" 700-X	17.0	CB.	CB1100-12	1	1205	8700
FEDERAL	209A	"HI-SKOR" 700-X	18.0	CB.	CB1100-12	1	1250	9600
FEDERAL	209A	"HI-SKOR" 700-X	14.5	REM.	TGT12	1	1100	7200

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 1 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)								
FEDERAL	209A	"HI-SKOR" 700-X	15.5	REM.	TGT12	1	1150	8100
FEDERAL	209A	"HI-SKOR" 700-X	16.5	REM.	TGT12	1	1205	9100
FEDERAL	209A	"HI-SKOR" 700-X	17.5	REM.	TGT12	1	1245	10000
FEDERAL	209A	"HI-SKOR" 700-X	14.5	FED.	12S3	1	1095	8000
FEDERAL	209A	"HI-SKOR" 700-X	15.5	FED.	12S3	1	1140	8900
FEDERAL	209A	"HI-SKOR" 700-X	17.0	FED.	12S3	1	1210	10300
FEDERAL	209A	"HI-SKOR" 700-X	18.0	FED.	12S3	1	1250	11200
REMINGTON	209P	"HI-SKOR" 700-X	14.5	WIN.	WAA12SL	1	1100	7300
REMINGTON	209P	"HI-SKOR" 700-X	15.5	WIN.	WAA12SL	1	1145	8100
REMINGTON	209P	"HI-SKOR" 700-X	16.5	WIN.	WAA12SL	1	1195	9000
REMINGTON	209P	"HI-SKOR" 700-X	18.0	WIN.	WAA12SL	1	1255	10500
REMINGTON	209P	"HI-SKOR" 700-X	15.0	CB.	CB1100-12	1	1105	6500
REMINGTON	209P	"HI-SKOR" 700-X	16.0	CB.	CB1100-12	1	1150	7200
REMINGTON	209P	"HI-SKOR" 700-X	17.0	CB.	CB1100-12	1	1195	8000
REMINGTON	209P	"HI-SKOR" 700-X	18.5	CB.	CB1100-12	1	1260	9400
REMINGTON	209P	"HI-SKOR" 700-X	14.5	REM.	TGT12	1	1090	6600
REMINGTON	209P	"HI-SKOR" 700-X	15.5	REM.	TGT12	1	1140	7500
REMINGTON	209P	"HI-SKOR" 700-X	16.5	REM.	TGT12	1	1190	8400
REMINGTON	209P	"HI-SKOR" 700-X	18.0	REM.	TGT12	1	1250	9500
REMINGTON	209P	"HI-SKOR" 700-X	14.5	FED.	12S3	1	1090	7400
REMINGTON	209P	"HI-SKOR" 700-X	15.5	FED.	12S3	1	1140	8300
REMINGTON	209P	"HI-SKOR" 700-X	17.0	FED.	12S3	1	1205	9700
REMINGTON	209P	"HI-SKOR" 700-X	18.0	FED.	12S3	1	1250	10600
WINCHESTER	209	"HI-SKOR" 700-X	15.0	WIN.	WAA12SL	1	1110	7400
WINCHESTER	209	"HI-SKOR" 700-X	16.0	WIN.	WAA12SL	1	1160	8300
WINCHESTER	209	"HI-SKOR" 700-X	17.0	WIN.	WAA12SL	1	1205	9300
WINCHESTER	209	"HI-SKOR" 700-X	18.0	WIN.	WAA12SL	1	1250	10300
WINCHESTER	209	"HI-SKOR" 700-X	15.0	CB.	CB1100-12	1	1095	6300
WINCHESTER	209	"HI-SKOR" 700-X	16.0	CB.	CB1100-12	1	1150	7200
WINCHESTER	209	"HI-SKOR" 700-X	17.0	CB.	CB1100-12	1	1195	8200
WINCHESTER	209	"HI-SKOR" 700-X	18.0	CB.	CB1100-12	1	1240	9200
WINCHESTER	209	"HI-SKOR" 700-X	15.0	REM.	TGT12	1	1110	7300
WINCHESTER	209	"HI-SKOR" 700-X	15.5	REM.	TGT12	1	1140	7700
WINCHESTER	209	"HI-SKOR" 700-X	16.5	REM.	TGT12	1	1195	8700
WINCHESTER	209	"HI-SKOR" 700-X	18.0	REM.	TGT12	1	1255	9800
WINCHESTER	209	"HI-SKOR" 700-X	14.5	FED.	12S3	1	1090	7800
WINCHESTER	209	"HI-SKOR" 700-X	15.5	FED.	12S3	1	1135	8700
WINCHESTER	209	"HI-SKOR" 700-X	17.0	FED.	12S3	1	1210	10100
WINCHESTER	209	"HI-SKOR" 700-X	18.0	FED.	12S3	1	1255	11100
FEDERAL	209A	PB	18.0	WIN.	WAA12SL	1	1115	7000
FEDERAL	209A	PB	19.0	WIN.	WAA12SL	1	1150	7500
FEDERAL	209A	PB	20.5	WIN.	WAA12SL	1	1200	8200
FEDERAL	209A	PB	22.0	WIN.	WAA12SL	1	1255	8900
FEDERAL	209A	PB	18.5	CB.	CB1100-12	1	1095	5700
FEDERAL	209A	PB	20.0	CB.	CB1100-12	1	1155	6600
FEDERAL	209A	PB	21.0	CB.	CB1100-12	1	1195	7200
FEDERAL	209A	PB	22.5	CB.	CB1100-12	1	1255	8000
FEDERAL	209A	PB	18.5	REM.	TGT12	1	1105	6200
FEDERAL	209A	PB	19.5	REM.	TGT12	1	1145	6700
FEDERAL	209A	PB	21.0	REM.	TGT12	1	1200	7400
FEDERAL	209A	PB	22.5	REM.	TGT12	1	1255	8200
FEDERAL	209A	PB	18.0	FED.	12S3	1	1100	6500
FEDERAL	209A	PB	19.0	FED.	12S3	1	1140	7200
FEDERAL	209A	PB	20.5	FED.	12S3	1	1200	8300
FEDERAL	209A	PB	22.0	FED.	12S3	1	1260	9300
REMINGTON	209P	PB	18.0	WIN.	WAA12SL	1	1095	6500
REMINGTON	209P	PB	19.5	WIN.	WAA12SL	1	1150	7200
REMINGTON	209P	PB	20.5	WIN.	WAA12SL	1	1190	7700
REMINGTON	209P	PB	22.5	WIN.	WAA12SL	1	1265	8700
REMINGTON	209P	PB	19.5	CB.	CB1100-12	1	1100	5100
REMINGTON	209P	PB	20.5	CB.	CB1100-12	1	1150	5700
REMINGTON	209P	PB	21.5	CB.	CB1100-12	1	1190	6200
REMINGTON	209P	PB	23.0	CB.	CB1100-12	1	1250	7200
REMINGTON	209P	PB	19.0	REM.	TGT12	1	1110	5700
REMINGTON	209P	PB	20.0	REM.	TGT12	1	1150	6300
REMINGTON	209P	PB	21.5	REM.	TGT12	1	1210	7100
REMINGTON	209P	PB	22.5	REM.	TGT12	1	1250	7600
REMINGTON	209P	PB	18.5	FED.	12S3	1	1095	6100
REMINGTON	209P	PB	20.0	FED.	12S3	1	1155	7100
REMINGTON	209P	PB	21.0	FED.	12S3	1	1200	7800
REMINGTON	209P	PB	22.5	FED.	12S3	1	1260	8500

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2³/₄ INCH 1 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)								
WINCHESTER	209	PB	18.5	WIN.	WAA12	1	1100	5900
WINCHESTER	209	PB	19.5	WIN.	WAA12	1	1140	6500
WINCHESTER	209	PB	21.0	WIN.	WAA12	1	1195	7300
WINCHESTER	209	PB	22.5	WIN.	WAA12	1	1255	8100
WINCHESTER	209	PB	19.5	CB.	CB1100-12	1	1105	5400
WINCHESTER	209	PB	20.5	CB.	CB1100-12	1	1150	5900
WINCHESTER	209	PB	21.5	CB.	CB1100-12	1	1195	6400
WINCHESTER	209	PB	23.0	CB.	CB1100-12	1	1250	7100
WINCHESTER	209	PB	19.0	REM.	TGT12	1	1100	5700
WINCHESTER	209	PB	20.0	REM.	TGT12	1	1145	6300
WINCHESTER	209	PB	21.0	REM.	TGT12	1	1190	6800
WINCHESTER	209	PB	22.5	REM.	TGT12	1	1255	7700
WINCHESTER	209	PB	19.0	FED.	12S3	1	1110	6300
WINCHESTER	209	PB	20.0	FED.	12S3	1	1150	7000
WINCHESTER	209	PB	21.0	FED.	12S3	1	1195	7700
WINCHESTER	209	PB	22.5	FED.	12S3	1	1255	8700
FEDERAL	209A	SR7625	19.0	WIN.	WAA12SL	1	1095	4200
FEDERAL	209A	SR7625	20.5	WIN.	WAA12SL	1	1150	5700
FEDERAL	209A	SR7625	22.0	WIN.	WAA12SL	1	1205	7200
FEDERAL	209A	SR7625	23.5	WIN.	WAA12SL	1	1260	8500
FEDERAL	209A	SR7625	20.5	CB.	CB1100-12	1	1090	5000
FEDERAL	209A	SR7625	22.0	CB.	CB1100-12	1	1150	5900
FEDERAL	209A	SR7625	23.0	CB.	CB1100-12	1	1195	6500
FEDERAL	209A	SR7625	24.5	CB.	CB1100-12	1	1255	7400
FEDERAL	209A	SR7625	20.5	REM.	TGT12	1	1095	5300
FEDERAL	209A	SR7625	22.0	REM.	TGT12	1	1160	6300
FEDERAL	209A	SR7625	23.0	REM.	TGT12	1	1200	6900
FEDERAL	209A	SR7625	24.0	REM.	TGT12	1	1245	7400
FEDERAL	209A	SR7625	20.0	FED.	12S3	1	1095	6100
FEDERAL	209A	SR7625	21.0	FED.	12S3	1	1140	6700
FEDERAL	209A	SR7625	22.5	FED.	12S3	1	1205	7600
FEDERAL	209A	SR7625	23.5	FED.	12S3	1	1250	8300
REMINGTON	209P	SR7625	21.0	WIN.	WAA12SL	1	1100	5800
REMINGTON	209P	SR7625	22.0	WIN.	WAA12SL	1	1150	6200
REMINGTON	209P	SR7625	23.0	WIN.	WAA12SL	1	1195	6800
REMINGTON	209P	SR7625	24.5	WIN.	WAA12SL	1	1260	8100
REMINGTON	209P	SR7625	22.0	CB.	CB1100-12	1	1110	4700
REMINGTON	209P	SR7625	23.0	CB.	CB1100-12	1	1155	5100
REMINGTON	209P	SR7625	24.0	CB.	CB1100-12	1	1200	5500
REMINGTON	209P	SR7625	25.0	CB.	CB1100-12	1	1250	5900
REMINGTON	209P	SR7625	21.5	REM.	TGT12	1	1110	5100
REMINGTON	209P	SR7625	22.5	REM.	TGT12	1	1155	5700
REMINGTON	209P	SR7625	23.5	REM.	TGT12	1	1195	6200
REMINGTON	209P	SR7625	25.0	REM.	TGT12	1	1255	7000
REMINGTON	209P	SR7625	20.0	FED.	12S3	1	1105	6000
REMINGTON	209P	SR7625	21.0	FED.	12S3	1	1140	6300
REMINGTON	209P	SR7625	22.5	FED.	12S3	1	1190	6900
REMINGTON	209P	SR7625	24.0	FED.	12S3	1	1260	7800
WINCHESTER	209	SR7625	20.0	WIN.	WAA12SL	1	1105	5700
WINCHESTER	209	SR7625	21.5	WIN.	WAA12SL	1	1150	6100
WINCHESTER	209	SR7625	23.0	WIN.	WAA12SL	1	1200	6700
WINCHESTER	209	SR7625	24.0	WIN.	WAA12SL	1	1250	7200
WINCHESTER	209	SR7625	21.0	CB.	CB1100-12	1	1090	4600
WINCHESTER	209	SR7625	22.5	CB.	CB1100-12	1	1150	5100
WINCHESTER	209	SR7625	24.0	CB.	CB1100-12	1	1195	5500
WINCHESTER	209	SR7625	25.5	CB.	CB1100-12	1	1250	5900
WINCHESTER	209	SR7625	21.0	REM.	TGT12	1	1105	5300
WINCHESTER	209	SR7625	22.0	REM.	TGT12	1	1145	5700
WINCHESTER	209	SR7625	23.0	REM.	TGT12	1	1190	6300
WINCHESTER	209	SR7625	24.5	REM.	TGT12	1	1260	7100
WINCHESTER	209	SR7625	21.0	FED.	12S3	1	1100	5300
WINCHESTER	209	SR7625	22.0	FED.	12S3	1	1145	6000
WINCHESTER	209	SR7625	23.0	FED.	12S3	1	1195	6800
WINCHESTER	209	SR7625	24.0	FED.	12S3	1	1250	7900

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 1 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER AA								
FEDERAL	209A	"HI-SKOR" 700-X	15.0	WIN.	WAA12SL	1	1110	7300
FEDERAL	209A	"HI-SKOR" 700X	16.0	WIN.	WAA12SL	1	1155	8000
FEDERAL	209A	"HI-SKOR" 700-X	17.0	WIN.	WAA12SL	1	1195	8700
FEDERAL	209A	"HI-SKOR" 700-X	18.5	WIN.	WAA12SL	1	1255	9700
FEDERAL	209A	"HI-SKOR" 700-X	15.0	CB.	CB1100-12	1	1100	6300
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB1100-12	1	1145	7000
FEDERAL	209A	"HI-SKOR" 700-X	17.5	CB.	CB1100-12	1	1205	8000
FEDERAL	209A	"HI-SKOR" 700-X	18.5	CB.	CB1100-12	1	1250	8700
FEDERAL	209A	"HI-SKOR" 700-X	15.0	REM.	TGT12	1	1110	6900
FEDERAL	209A	"HI-SKOR" 700-X	16.0	REM.	TGT12	1	1155	7500
FEDERAL	209A	"HI-SKOR" 700-X	17.0	REM.	TGT12	1	1195	8200
FEDERAL	209A	"HI-SKOR" 700-X	18.5	REM.	TGT12	1	1260	9400
FEDERAL	209A	"HI-SKOR" 700-X	14.5	FED.	12S3	1	1090	7900
FEDERAL	209A	"HI-SKOR" 700-X	15.5	FED.	12S3	1	1140	8700
FEDERAL	209A	"HI-SKOR" 700-X	17.0	FED.	12S3	1	1210	9900
FEDERAL	209A	"HI-SKOR" 700-X	18.0	FED.	12S3	1	1250	10700
REMINGTON	209P	"HI-SKOR" 700-X	15.0	WIN.	WAA12SL	1	1095	6400
REMINGTON	209P	"HI-SKOR" 700-X	16.5	WIN.	WAA12SL	1	1155	7000
REMINGTON	209P	"HI-SKOR" 700-X	18.0	WIN.	WAA12SL	1	1210	7600
REMINGTON	209P	"HI-SKOR" 700-X	19.0	WIN.	WAA12SL	1	1245	8000
REMINGTON	209P	"HI-SKOR" 700-X	16.0	CB.	CB1100-12	1	1110	5000
REMINGTON	209P	"HI-SKOR" 700-X	17.0	CB.	CB1100-12	1	1150	5600
REMINGTON	209P	"HI-SKOR" 700-X	18.0	CB.	CB1100-12	1	1190	6100
REMINGTON	209P	"HI-SKOR" 700-X	19.5	CB.	CB1100-12	1	1250	7000
REMINGTON	209P	"HI-SKOR" 700-X	15.5	REM.	TGT12	1	1105	5800
REMINGTON	209P	"HI-SKOR" 700-X	16.5	REM.	TGT12	1	1140	6200
REMINGTON	209P	"HI-SKOR" 700-X	18.0	REM.	TGT12	1	1205	7100
REMINGTON	209P	"HI-SKOR" 700-X	19.0	REM.	TGT12	1	1250	7700
REMINGTON	209P	"HI-SKOR" 700-X	15.0	FED.	12S3	1	1105	7100
REMINGTON	209P	"HI-SKOR" 700-X	16.5	FED.	12S3	1	1160	7900
REMINGTON	209P	"HI-SKOR" 700-X	17.5	FED.	12S3	1	1200	8600
REMINGTON	209P	"HI-SKOR" 700-X	18.5	FED.	12S3	1	1250	9300
WINCHESTER	209	"HI-SKOR" 700-X	14.5	WIN.	WAA12SL	1	1105	7500
WINCHESTER	209	"HI-SKOR" 700-X	15.5	WIN.	WAA12SL	1	1145	8200
WINCHESTER	209	"HI-SKOR" 700-X	16.5	WIN.	WAA12SL	1	1195	9000
WINCHESTER	209	"HI-SKOR" 700-X	18.0	WIN.	WAA12SL	1	1250	10100
WINCHESTER	209	"HI-SKOR" 700-X	14.5	CB.	CB1100-12	1	1090	6500
WINCHESTER	209	"HI-SKOR" 700-X	15.5	CB.	CB1100-12	1	1140	7400
WINCHESTER	209	"HI-SKOR" 700-X	17.0	CB.	CB1100-12	1	1205	8500
WINCHESTER	209	"HI-SKOR" 700-X	18.0	CB.	CB1100-12	1	1245	9300
WINCHESTER	209	"HI-SKOR" 700-X	14.5	REM.	TGT12	1	1095	6700
WINCHESTER	209	"HI-SKOR" 700-X	15.5	REM.	TGT12	1	1140	7400
WINCHESTER	209	"HI-SKOR" 700-X	16.5	REM.	TGT12	1	1190	8200
WINCHESTER	209	"HI-SKOR" 700-X	18.0	REM.	TGT12	1	1250	9400
WINCHESTER	209	"HI-SKOR" 700-X	14.5	FED.	12S3	1	1100	8200
WINCHESTER	209	"HI-SKOR" 700-X	15.5	FED.	12S3	1	1140	8800
WINCHESTER	209	"HI-SKOR" 700-X	17.0	FED.	12S3	1	1205	9700
WINCHESTER	209	"HI-SKOR" 700-X	18.0	FED.	12S3	1	1250	10500
FEDERAL	209A	PB	18.5	WIN.	WAA12	1	1110	6200
FEDERAL	209A	PB	19.5	WIN.	WAA12	1	1150	6900
FEDERAL	209A	PB	21.0	WIN.	WAA12	1	1210	7900
FEDERAL	209A	PB	22.5	WIN.	WAA12	1	1260	8600
FEDERAL	209A	PB	18.5	CB.	CB1100-12	1	1095	5200
FEDERAL	209A	PB	20.0	CB.	CB1100-12	1	1145	5800
FEDERAL	209A	PB	21.5	CB.	CB1100-12	1	1200	6400
FEDERAL	209A	PB	23.0	CB.	CB1100-12	1	1260	7200
FEDERAL	209A	PB	18.5	REM.	FIG8	1	1095	5300
FEDERAL	209A	PB	20.0	REM.	FIG8	1	1150	6100
FEDERAL	209A	PB	21.0	REM.	FIG8	1	1190	6600
FEDERAL	209A	PB	22.5	REM.	FIG8	1	1250	7400
FEDERAL	209A	PB	18.0	FED.	12S3	1	1095	6100
FEDERAL	209A	PB	19.5	FED.	12S3	1	1155	7200
FEDERAL	209A	PB	20.5	FED.	12S3	1	1195	7900
FEDERAL	209A	PB	22.0	FED.	12S3	1	1255	8900
REMINGTON	209P	PB	19.0	WIN.	WAA12	1	1110	5700
REMINGTON	209P	PB	20.0	WIN.	WAA12	1	1145	6200
REMINGTON	209P	PB	21.5	WIN.	WAA12	1	1205	7100
REMINGTON	209P	PB	22.5	WIN.	WAA12	1	1250	7700
REMINGTON	209P	PB	19.0	CB.	CB1100-12	1	1100	4600
REMINGTON	209P	PB	20.5	CB.	CB1100-12	1	1150	5100
REMINGTON	209P	PB	22.0	CB.	CB1100-12	1	1200	5700
REMINGTON	209P	PB	23.5	CB.	CB1100-12	1	1260	6500

12 GAUGE 2³/₄ INCH 1 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER AA								
REMINGTON	209P	PB	19.0	REM.	FIG8	1	1085	4500
REMINGTON	209P	PB	21.0	REM.	FIG8	1	1150	5300
REMINGTON	209P	PB	22.0	REM.	FIG8	1	1190	5700
REMINGTON	209P	PB	23.5	REM.	FIG8	1	1255	6700
REMINGTON	209P	PB	19.0	FED.	12S3	1	1095	5100
REMINGTON	209P	PB	20.5	FED.	12S3	1	1150	6000
REMINGTON	209P	PB	22.0	FED.	12S3	1	1205	6900
REMINGTON	209P	PB	23.5	FED.	12S3	1	1260	7600
WINCHESTER	209	PB	18.5	WIN.	WAA12	1	1105	5900
WINCHESTER	209	PB	20.0	WIN.	WAA12	1	1150	6500
WINCHESTER	209	PB	21.5	WIN.	WAA12	1	1200	7100
WINCHESTER	209	PB	23.0	WIN.	WAA12	1	1260	7900
WINCHESTER	209	PB	19.0	CB.	CB1100-12	1	1110	5100
WINCHESTER	209	PB	20.5	CB.	CB1100-12	1	1140	5600
WINCHESTER	209	PB	22.0	CB.	CB1100-12	1	1190	6100
WINCHESTER	209	PB	23.5	CB.	CB1100-12	1	1255	6600
WINCHESTER	209	PB	18.0	REM.	TGT12	1	1095	4800
WINCHESTER	209	PB	19.5	REM.	TGT12	1	1140	5600
WINCHESTER	209	PB	21.5	REM.	TGT12	1	1200	6700
WINCHESTER	209	PB	23.0	REM.	TGT12	1	1260	7500
WINCHESTER	209	PB	19.0	REM.	FIG8	1	1100	5400
WINCHESTER	209	PB	20.0	REM.	FIG8	1	1140	5800
WINCHESTER	209	PB	21.5	REM.	FIG8	1	1195	6500
WINCHESTER	209	PB	23.0	REM.	FIG8	1	1255	7200
WINCHESTER	209	PB	19.0	FED.	12S3	1	1105	5900
WINCHESTER	209	PB	20.5	FED.	12S3	1	1160	6800
WINCHESTER	209	PB	21.5	FED.	12S3	1	1200	7400
WINCHESTER	209	PB	23.0	FED.	12S3	1	1250	8100
FEDERAL	209A	SR7625	20.0	WIN.	WAA12	1	1095	6000
FEDERAL	209A	SR7625	21.5	WIN.	WAA12	1	1145	6300
FEDERAL	209A	SR7625	23.5	WIN.	WAA12	1	1205	6900
FEDERAL	209A	SR7625	25.0	WIN.	WAA12	1	1260	7400
FEDERAL	209A	SR7625	21.0	CB.	CB1118-12	1	1100	4600
FEDERAL	209A	SR7625	22.0	CB.	CB1118-12	1	1145	5200
FEDERAL	209A	SR7625	23.5	CB.	CB1118-12	1	1210	6200
FEDERAL	209A	SR7625	24.5	CB.	CB1118-12	1	1250	6700
FEDERAL	209A	SR7625	21.5	REM.	RXP12	1	1110	5000
FEDERAL	209A	SR7625	22.5	REM.	RXP12	1	1150	5400
FEDERAL	209A	SR7625	23.5	REM.	RXP12	1	1190	5900
FEDERAL	209A	SR7625	25.0	REM.	RXP12	1	1250	6700
FEDERAL	209A	SR7625	20.5	FED.	12S3	1	1110	5400
FEDERAL	209A	SR7625	21.5	FED.	12S3	1	1145	5900
FEDERAL	209A	SR7625	23.0	FED.	12S3	1	1200	6600
FEDERAL	209A	SR7625	24.5	FED.	12S3	1	1255	7300
REMINGTON	209P	SR7625	21.5	WIN.	WAA12	1	1105	5000
REMINGTON	209P	SR7625	22.5	WIN.	WAA12	1	1150	5700
REMINGTON	209P	SR7625	23.5	WIN.	WAA12	1	1195	6200
REMINGTON	209P	SR7625	25.0	WIN.	WAA12	1	1255	7100
REMINGTON	209P	SR7625	22.5	CB.	CB1118-12	1	1110	4400
REMINGTON	209P	SR7625	23.5	CB.	CB1118-12	1	1145	4700
REMINGTON	209P	SR7625	24.5	CB.	CB1118-12	1	1190	5300
REMINGTON	209P	SR7625	26.0	CB.	CB1118-12	1	1265	6300
REMINGTON	209P	SR7625	22.5	REM.	RXP12	1	1100	4200
REMINGTON	209P	SR7625	23.5	REM.	RXP12	1	1145	4700
REMINGTON	209P	SR7625	24.5	REM.	RXP12	1	1190	5200
REMINGTON	209P	SR7625	25.5	REM.	RXP12	1	1245	6000
REMINGTON	209P	SR7625	22.0	FED.	12S3	1	1095	4500
REMINGTON	209P	SR7625	23.5	FED.	12S3	1	1160	5300
REMINGTON	209P	SR7625	24.5	FED.	12S3	1	1210	6000
REMINGTON	209P	SR7625	25.5	FED.	12S3	1	1265	6900
WINCHESTER	209	SR7625	21.5	WIN.	WAA12	1	1095	4900
WINCHESTER	209	SR7625	23.0	WIN.	WAA12	1	1150	5500
WINCHESTER	209	SR7625	24.0	WIN.	WAA12	1	1190	5800
WINCHESTER	209	SR7625	25.5	WIN.	WAA12	1	1255	6600
WINCHESTER	209	SR7625	22.0	CB.	CB1118-12	1	1095	4500
WINCHESTER	209	SR7625	23.5	CB.	CB1118-12	1	1150	5100

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 1 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER AA								
WINCHESTER	209	SR7625	25.0	CB.	CB1118-12	1	1210	5800
WINCHESTER	209	SR7625	26.0	CB.	CB1118-12	1	1250	6200
WINCHESTER	209	SR7625	22.0	REM.	RXP12	1	1095	4600
WINCHESTER	209	SR7625	23.5	REM.	RXP12	1	1140	5000
WINCHESTER	209	SR7625	25.0	REM.	RXP12	1	1200	5700
WINCHESTER	209	SR7625	26.0	REM.	RXP12	1	1245	6200
WINCHESTER	209	SR7625	22.0	FED.	12S3	1	1105	5300
WINCHESTER	209	SR7625	23.0	FED.	12S3	1	1155	5900
WINCHESTER	209	SR7625	24.0	FED.	12S3	1	1205	6500
WINCHESTER	209	SR7625	25.0	FED.	12S3	1	1250	7100

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL								
FEDERAL	209A	"HI-SKOR" 700-X	16.0	WIN.	WAA12SL	11/8	1110	7900
FEDERAL	209A	"HI-SKOR" 700-X	17.0	WIN.	WAA12SL	11/8	1150	8700
FEDERAL	209A	"HI-SKOR" 700-X	18.0	WIN.	WAA12SL	11/8	1190	9500
FEDERAL	209A	"HI-SKOR" 700-X	19.5	WIN.	WAA12SL	11/8	1250	10600
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB2118-12	11/8	1110	7900
FEDERAL	209A	"HI-SKOR" 700-X	17.0	CB.	CB2118-12	11/8	1155	8600
FEDERAL	209A	"HI-SKOR" 700-X	18.0	CB.	CB2118-12	11/8	1195	9500
FEDERAL	209A	"HI-SKOR" 700-X	19.5	CB.	CB2118-12	11/8	1260	10800
FEDERAL	209A	"HI-SKOR" 700-X	16.0	REM.	TGT12	11/8	1100	7400
FEDERAL	209A	"HI-SKOR" 700-X	17.0	REM.	TGT12	11/8	1145	8200
FEDERAL	209A	"HI-SKOR" 700-X	18.0	REM.	TGT12	11/8	1190	9100
FEDERAL	209A	"HI-SKOR" 700-X	19.5	REM.	TGT12	11/8	1250	10500
FEDERAL	209A	"HI-SKOR" 700-X	16.0	FED.	12S3	11/8	1105	7900
FEDERAL	209A	"HI-SKOR" 700-X	17.0	FED.	12S3	11/8	1145	8600
FEDERAL	209A	"HI-SKOR" 700-X	18.5	FED.	12S3	11/8	1205	9500
FEDERAL	209A	"HI-SKOR" 700-X	20.0	FED.	12S3	11/8	1260	10400
REMINGTON	209P	"HI-SKOR" 700-X	16.5	WIN.	WAA12SL	11/8	1110	7500
REMINGTON	209P	"HI-SKOR" 700-X	17.5	WIN.	WAA12SL	11/8	1155	8200
REMINGTON	209P	"HI-SKOR" 700-X	18.5	WIN.	WAA12SL	11/8	1195	8700
REMINGTON	209P	"HI-SKOR" 700-X	20.0	WIN.	WAA12SL	11/8	1255	9500
REMINGTON	209P	"HI-SKOR" 700-X	16.0	CB.	CB2118-12	11/8	1095	7200
REMINGTON	209P	"HI-SKOR" 700-X	17.0	CB.	CB2118-12	11/8	1140	7900
REMINGTON	209P	"HI-SKOR" 700-X	18.5	CB.	CB2118-12	11/8	1195	8700
REMINGTON	209P	"HI-SKOR" 700-X	20.0	CB.	CB2118-12	11/8	1250	9600
REMINGTON	209P	"HI-SKOR" 700-X	16.0	REM.	TGT12	11/8	1090	6900
REMINGTON	209P	"HI-SKOR" 700-X	17.5	REM.	TGT12	11/8	1150	7800
REMINGTON	209P	"HI-SKOR" 700-X	18.5	REM.	TGT12	11/8	1190	8500
REMINGTON	209P	"HI-SKOR" 700-X	20.0	REM.	TGT12	11/8	1250	9500
REMINGTON	209P	"HI-SKOR" 700-X	16.0	FED.	12S3	11/8	1095	7500
REMINGTON	209P	"HI-SKOR" 700-X	17.5	FED.	12S3	11/8	1155	8300
REMINGTON	209P	"HI-SKOR" 700-X	18.5	FED.	12S3	11/8	1190	8900
REMINGTON	209P	"HI-SKOR" 700-X	20.0	FED.	12S3	11/8	1250	9800
WINCHESTER	209	"HI-SKOR" 700-X	16.0	WIN.	WAA12SL	11/8	1100	7200
WINCHESTER	209	"HI-SKOR" 700-X	17.0	WIN.	WAA12SL	11/8	1145	7900
WINCHESTER	209	"HI-SKOR" 700-X	18.5	WIN.	WAA12SL	11/8	1205	9100
WINCHESTER	209	"HI-SKOR" 700-X	19.5	WIN.	WAA12SL	11/8	1245	9900
WINCHESTER	209	"HI-SKOR" 700-X	16.0	CB.	CB2118-12	11/8	1100	7200
WINCHESTER	209	"HI-SKOR" 700-X	17.0	CB.	CB2118-12	11/8	1145	7900
WINCHESTER	209	"HI-SKOR" 700-X	18.5	CB.	CB2118-12	11/8	1205	9200
WINCHESTER	209	"HI-SKOR" 700-X	19.5	CB.	CB2118-12	11/8	1245	10000
WINCHESTER	209	"HI-SKOR" 700-X	16.0	REM.	TGT12	11/8	1095	6800
WINCHESTER	209	"HI-SKOR" 700-X	17.0	REM.	TGT12	11/8	1140	7500
WINCHESTER	209	"HI-SKOR" 700-X	18.5	REM.	TGT12	11/8	1195	8600
WINCHESTER	209	"HI-SKOR" 700-X	20.0	REM.	TGT12	11/8	1255	9600
WINCHESTER	209	"HI-SKOR" 700-X	16.0	FED.	12S3	11/8	1105	7800
WINCHESTER	209	"HI-SKOR" 700-X	17.0	FED.	12S3	11/8	1150	8500
WINCHESTER	209	"HI-SKOR" 700-X	18.0	FED.	12S3	11/8	1190	9400
WINCHESTER	209	"HI-SKOR" 700-X	19.5	FED.	12S3	11/8	1255	10700
FEDERAL	209A	PB	19.5	WIN.	WAA12	11/8	1095	6100
FEDERAL	209A	PB	21.0	WIN.	WAA12	11/8	1150	7000
FEDERAL	209A	PB	22.5	WIN.	WAA12	11/8	1205	7900
FEDERAL	209A	PB	24.0	WIN.	WAA12	11/8	1260	8800
FEDERAL	209A	PB	20.5	WTW.	WINDJAMMER	11/8	1105	5900

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. **DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

12 GAUGE 2 3/4 INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL								
FEDERAL	209A	PB	21.5	WTW.	WINDJAMMER	11/8	1145	6400
FEDERAL	209A	PB	23.0	WTW.	WINDJAMMER	11/8	1205	7200
FEDERAL	209A	PB	24.0	WTW.	WINDJAMMER	11/8	1250	7800
FEDERAL	209A	PB	20.0	CB.	CB1118-12	11/8	1105	6000
FEDERAL	209A	PB	21.0	CB.	CB1118-12	11/8	1140	6400
FEDERAL	209A	PB	22.5	CB.	CB1118-12	11/8	1195	7100
FEDERAL	209A	PB	24.0	CB.	CB1118-12	11/8	1250	8000
FEDERAL	209A	PB	20.0	REM.	FIG8	11/8	1095	6000
FEDERAL	209A	PB	21.5	REM.	FIG8	11/8	1145	6600
FEDERAL	209A	PB	23.0	REM.	FIG8	11/8	1200	7300
FEDERAL	209A	PB	24.5	REM.	FIG8	11/8	1255	8000
FEDERAL	209A	PB	19.5	FED.	12S3	11/8	1095	6600
FEDERAL	209A	PB	21.0	FED.	12S3	11/8	1140	7100
FEDERAL	209A	PB	22.5	FED.	12S3	11/8	1190	7600
FEDERAL	209A	PB	24.0	FED.	12S3	11/8	1255	8700
REMINGTON	209P	PB	20.5	WIN.	WAA12SL	11/8	1095	5700
REMINGTON	209P	PB	21.5	WIN.	WAA12SL	11/8	1140	6400
REMINGTON	209P	PB	23.0	WIN.	WAA12SL	11/8	1195	7300
REMINGTON	209P	PB	25.0	WIN.	WAA12SL	11/8	1260	8000
REMINGTON	209P	PB	21.0	WTW.	WINDJAMMER	11/8	1095	5000
REMINGTON	209P	PB	22.5	WTW.	WINDJAMMER	11/8	1155	5900
REMINGTON	209P	PB	24.0	WTW.	WINDJAMMER	11/8	1205	6400
REMINGTON	209P	PB	25.5	WTW.	WINDJAMMER	11/8	1250	6900
REMINGTON	209P	PB	21.0	CB.	CB1118-12	11/8	1105	5800
REMINGTON	209P	PB	22.5	CB.	CB1118-12	11/8	1150	6300
REMINGTON	209P	PB	23.5	CB.	CB1118-12	11/8	1200	7000
REMINGTON	209P	PB	25.0	CB.	CB1118-12	11/8	1265	8000
REMINGTON	209P	PB	21.0	REM.	FIG8	11/8	1100	5500
REMINGTON	209P	PB	22.5	REM.	FIG8	11/8	1155	6100
REMINGTON	209P	PB	23.5	REM.	FIG8	11/8	1190	6600
REMINGTON	209P	PB	25.0	REM.	FIG8	11/8	1245	7500
REMINGTON	209P	PB	20.5	FED.	12S3	11/8	1100	6000
REMINGTON	209P	PB	22.0	FED.	12S3	11/8	1155	6500
REMINGTON	209P	PB	23.0	FED.	12S3	11/8	1190	7000
REMINGTON	209P	PB	25.0	FED.	12S3	11/8	1265	8400
WINCHESTER	209	PB	21.0	WIN.	WAA12SL	11/8	1100	6000
WINCHESTER	209	PB	22.0	WIN.	WAA12SL	11/8	1140	6600
WINCHESTER	209	PB	23.5	WIN.	WAA12SL	11/8	1200	7500
WINCHESTER	209	PB	25.0	WIN.	WAA12SL	11/8	1255	8200
WINCHESTER	209	PB	21.0	WTW.	WINDJAMMER	11/8	1105	5500
WINCHESTER	209	PB	22.0	WTW.	WINDJAMMER	11/8	1145	6000
WINCHESTER	209	PB	23.5	WTW.	WINDJAMMER	11/8	1205	7000
WINCHESTER	209	PB	24.5	WTW.	WINDJAMMER	11/8	1250	7700
WINCHESTER	209	PB	20.5	CB.	CB1118-12	11/8	1100	5800
WINCHESTER	209	PB	22.0	CB.	CB1118-12	11/8	1150	6400
WINCHESTER	209	PB	23.5	CB.	CB1118-12	11/8	1200	7000
WINCHESTER	209	PB	25.0	CB.	CB1118-12	11/8	1245	7600
WINCHESTER	209	PB	21.0	REM.	FIG8	11/8	1105	5900
WINCHESTER	209	PB	22.0	REM.	FIG8	11/8	1140	6300
WINCHESTER	209	PB	23.5	REM.	FIG8	11/8	1200	7000
WINCHESTER	209	PB	25.0	REM.	FIG8	11/8	1255	7800
WINCHESTER	209	PB	20.5	FED.	12S3	11/8	1090	6100
WINCHESTER	209	PB	22.0	FED.	12S3	11/8	1150	7000
WINCHESTER	209	PB	23.0	FED.	12S3	11/8	1190	7600
WINCHESTER	209	PB	24.5	FED.	12S3	11/8	1250	8400
FEDERAL	209A	SR7625	21.5	WIN.	WAA12	11/8	1100	6100
FEDERAL	209A	SR7625	23.0	WIN.	WAA12	11/8	1155	6700
FEDERAL	209A	SR7625	24.5	WIN.	WAA12	11/8	1200	7400
FEDERAL	209A	SR7625	26.0	WIN.	WAA12	11/8	1265	8200
FEDERAL	209A	SR7625	23.0	WTW.	WINDJAMMER	11/8	1105	5100
FEDERAL	209A	SR7625	24.0	WTW.	WINDJAMMER	11/8	1140	5600
FEDERAL	209A	SR7625	25.5	WTW.	WINDJAMMER	11/8	1200	6400
FEDERAL	209A	SR7625	27.0	WTW.	WINDJAMMER	11/8	1265	7400

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL								
FEDERAL	209A	SR7625	22.0	CB.	CB2118-12	11/8	1095	5700
FEDERAL	209A	SR7625	23.5	CB.	CB2118-12	11/8	1150	6400
FEDERAL	209A	SR7625	24.5	CB.	CB2118-12	11/8	1195	6800
FEDERAL	209A	SR7625	26.0	CB.	CB2118-12	11/8	1250	7700
FEDERAL	209A	SR7625	22.5	REM.	FIG8	11/8	1090	5300
FEDERAL	209A	SR7625	24.0	REM.	FIG8	11/8	1140	5700
FEDERAL	209A	SR7625	25.5	REM.	FIG8	11/8	1205	6600
FEDERAL	209A	SR7625	26.5	REM.	FIG8	11/8	1245	7100
FEDERAL	209A	SR7625	22.0	FED.	12S3	11/8	1090	5600
FEDERAL	209A	SR7625	23.5	FED.	12S3	11/8	1150	6400
FEDERAL	209A	SR7625	24.5	FED.	12S3	11/8	1190	6900
FEDERAL	209A	SR7625	26.5	FED.	12S3	11/8	1260	7700
REMINGTON	209P	SR7625	22.0	WIN.	WAA12	11/8	1100	5600
REMINGTON	209P	SR7625	23.5	WIN.	WAA12	11/8	1145	6000
REMINGTON	209P	SR7625	25.5	WIN.	WAA12	11/8	1205	6600
REMINGTON	209P	SR7625	27.5	WIN.	WAA12	11/8	1255	7200
REMINGTON	209P	SR7625	24.0	WTW.	WINDJAMMER	11/8	1095	4300
REMINGTON	209P	SR7625	25.5	WTW.	WINDJAMMER	11/8	1140	4700
REMINGTON	209P	SR7625	27.0	WTW.	WINDJAMMER	11/8	1200	5400
REMINGTON	209P	SR7625	28.5	WTW.	WINDJAMMER	11/8	1265	6100
REMINGTON	209P	SR7625	22.5	CB.	CB2118-12	11/8	1105	5300
REMINGTON	209P	SR7625	24.5	CB.	CB2118-12	11/8	1150	5900
REMINGTON	209P	SR7625	26.0	CB.	CB2118-12	11/8	1205	6600
REMINGTON	209P	SR7625	27.0	CB.	CB2118-12	11/8	1250	7300
REMINGTON	209P	SR7625	24.0	REM.	FIG8	11/8	1100	5000
REMINGTON	209P	SR7625	25.5	REM.	FIG8	11/8	1155	5700
REMINGTON	209P	SR7625	27.0	REM.	FIG8	11/8	1205	6000
REMINGTON	209P	SR7625	28.5	REM.	FIG8	11/8	1260	6300
REMINGTON	209P	SR7625	23.0	FED.	12S3	11/8	1095	5200
REMINGTON	209P	SR7625	24.5	FED.	12S3	11/8	1155	6000
REMINGTON	209P	SR7625	25.5	FED.	12S3	11/8	1195	6400
REMINGTON	209P	SR7625	27.0	FED.	12S3	11/8	1255	7400
WINCHESTER	209	SR7625	22.5	WIN.	WAA12	11/8	1100	5600
WINCHESTER	209	SR7625	24.0	WIN.	WAA12	11/8	1155	6200
WINCHESTER	209	SR7625	25.0	WIN.	WAA12	11/8	1190	6600
WINCHESTER	209	SR7625	26.5	WIN.	WAA12	11/8	1250	7400
WINCHESTER	209	SR7625	23.0	WTW.	WINDJAMMER	11/8	1095	4900
WINCHESTER	209	SR7625	24.5	WTW.	WINDJAMMER	11/8	1140	5400
WINCHESTER	209	SR7625	26.0	WTW.	WINDJAMMER	11/8	1200	6200
WINCHESTER	209	SR7625	27.0	WTW.	WINDJAMMER	11/8	1245	6900
WINCHESTER	209	SR7625	22.5	CB.	CB2118-12	11/8	1095	5400
WINCHESTER	209	SR7625	24.0	CB.	CB2118-12	11/8	1150	6000
WINCHESTER	209	SR7625	25.5	CB.	CB2118-12	11/8	1200	6700
WINCHESTER	209	SR7625	27.0	CB.	CB2118-12	11/8	1250	7300
WINCHESTER	209	SR7625	23.0	REM.	FIG8	11/8	1095	5200
WINCHESTER	209	SR7625	24.5	REM.	FIG8	11/8	1150	5800
WINCHESTER	209	SR7625	25.5	REM.	FIG8	11/8	1190	6300
WINCHESTER	209	SR7625	27.0	REM.	FIG8	11/8	1250	7100
WINCHESTER	209	SR7625	23.0	FED.	12S3	11/8	1100	5400
WINCHESTER	209	SR7625	24.5	FED.	12S3	11/8	1155	6200
WINCHESTER	209	SR7625	25.5	FED.	12S3	11/8	1195	6700
WINCHESTER	209	SR7625	27.0	FED.	12S3	11/8	1255	7500
CCI	209	"HI-SKOR" 800-X	21.5	WIN.	WAA12	11/8	1105	5200
CCI	209	"HI-SKOR" 800-X	22.5	WIN.	WAA12	11/8	1145	5600
CCI	209	"HI-SKOR" 800-X	24.0	WIN.	WAA12	11/8	1200	6300
CCI	209	"HI-SKOR" 800-X	25.5	WIN.	WAA12	11/8	1265	7100
CCI	209	"HI-SKOR" 800-X	22.5	WTW.	WINDJAMMER	11/8	1100	4200
CCI	209	"HI-SKOR" 800-X	23.5	WTW.	WINDJAMMER	11/8	1145	4800
CCI	209	"HI-SKOR" 800-X	25.0	WTW.	WINDJAMMER	11/8	1205	5700
CCI	209	"HI-SKOR" 800-X	26.0	WTW.	WINDJAMMER	11/8	1250	6300
CCI	209	"HI-SKOR" 800-X	21.5	CB	CB2118-12	11/8	1095	5000
CCI	209	"HI-SKOR" 800-X	23.0	CB	CB2118-12	11/8	1145	5500
CCI	209	"HI-SKOR" 800-X	24.5	CB	CB2118-12	11/8	1205	6200
CCI	209	"HI-SKOR" 800-X	26.0	CB	CB2118-12	11/8	1265	6800
CCI	209	"HI-SKOR" 800-X	21.0	REM.	FIG 8	11/8	1105	5500
CCI	209	"HI-SKOR" 800-X	22.5	REM.	FIG 8	11/8	1150	5900
CCI	209	"HI-SKOR" 800-X	24.0	REM.	FIG 8	11/8	1200	6300
CCI	209	"HI-SKOR" 800-X	26.0	REM.	FIG 8	11/8	1260	6900
CCI	209	"HI-SKOR" 800-X	21.0	FED.	12S3	11/8	1095	5800
CCI	209	"HI-SKOR" 800-X	22.5	FED.	12S3	11/8	1155	6400
CCI	209	"HI-SKOR" 800-X	24.0	FED.	12S3	11/8	1200	6800
CCI	209	"HI-SKOR" 800-X	26.0	FED.	12S3	11/8	1260	7300

12 GAUGE 2 3/4 INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL								
FEDERAL	209A	"HI-SKOR" 800-X	20.5	WIN.	WAA12	11/8	1100	5800
FEDERAL	209A	"HI-SKOR" 800-X	21.5	WIN.	WAA12	11/8	1140	6300
FEDERAL	209A	"HI-SKOR" 800-X	23.0	WIN.	WAA12	11/8	1195	7000
FEDERAL	209A	"HI-SKOR" 800-X	24.5	WIN.	WAA12	11/8	1255	7700
FEDERAL	209A	"HI-SKOR" 800-X	22.0	WTW	WINDJAMMER	11/8	1100	4900
FEDERAL	209A	"HI-SKOR" 800-X	23.0	WTW	WINDJAMMER	11/8	1145	5400
FEDERAL	209A	"HI-SKOR" 800-X	24.0	WTW	WINDJAMMER	11/8	1190	5900
FEDERAL	209A	"HI-SKOR" 800-X	25.5	WTW	WINDJAMMER	11/8	1260	6700
FEDERAL	209A	"HI-SKOR" 800-X	20.5	CB	CB2118-12	11/8	1090	5500
FEDERAL	209A	"HI-SKOR" 800-X	22.5	CB	CB2118-12	11/8	1150	6200
FEDERAL	209A	"HI-SKOR" 800-X	23.0	CB	CB2118-12	11/8	1195	6700
FEDERAL	209A	"HI-SKOR" 800-X	24.5	CB	CB2118-12	11/8	1255	7400
FEDERAL	209A	"HI-SKOR" 800-X	21.0	REM.	FIG8	11/8	1100	5400
FEDERAL	209A	"HI-SKOR" 800-X	22.5	REM.	FIG8	11/8	1155	6000
FEDERAL	209A	"HI-SKOR" 800-X	24.0	REM.	FIG8	11/8	1205	6600
FEDERAL	209A	"HI-SKOR" 800-X	25.5	REM.	FIG8	11/8	1255	7100
FEDERAL	209A	"HI-SKOR" 800-X	20.5	FED.	12S3	11/8	1090	5700
FEDERAL	209A	"HI-SKOR" 800-X	22.0	FED.	12S3	11/8	1155	6400
FEDERAL	209A	"HI-SKOR" 800-X	23.0	FED.	12S3	11/8	1195	6900
FEDERAL	209A	"HI-SKOR" 800-X	25.0	FED.	12S3	11/8	1265	7700
WINCHESTER	209	"HI-SKOR" 800-X	20.5	WIN.	WAA12	11/8	1100	5800
WINCHESTER	209	"HI-SKOR" 800-X	21.5	WIN.	WAA12	11/8	1140	6300
WINCHESTER	209	"HI-SKOR" 800-X	23.0	WIN.	WAA12	11/8	1195	7000
WINCHESTER	209	"HI-SKOR" 800-X	25.0	WIN.	WAA12	11/8	1265	7700
WINCHESTER	209	"HI-SKOR" 800-X	22.0	WTW	WINDJAMMER	11/8	1105	4900
WINCHESTER	209	"HI-SKOR" 800-X	23.0	WTW	WINDJAMMER	11/8	1150	5400
WINCHESTER	209	"HI-SKOR" 800-X	24.0	WTW	WINDJAMMER	11/8	1190	5900
WINCHESTER	209	"HI-SKOR" 800-X	25.5	WTW	WINDJAMMER	11/8	1255	6700
WINCHESTER	209	"HI-SKOR" 800-X	20.5	CB	CB2118-12	11/8	1095	5500
WINCHESTER	209	"HI-SKOR" 800-X	22.0	CB	CB2118-12	11/8	1145	6000
WINCHESTER	209	"HI-SKOR" 800-X	23.5	CB	CB2118-12	11/8	1200	6700
WINCHESTER	209	"HI-SKOR" 800-X	25.0	CB	CB2118-12	11/8	1260	7400
WINCHESTER	209	"HI-SKOR" 800-X	21.0	REM.	FIG8	11/8	1100	5400
WINCHESTER	209	"HI-SKOR" 800-X	22.0	REM.	FIG8	11/8	1140	5900
WINCHESTER	209	"HI-SKOR" 800-X	23.5	REM.	FIG8	11/8	1200	6500
WINCHESTER	209	"HI-SKOR" 800-X	25.0	REM.	FIG8	11/8	1255	7100
WINCHESTER	209	"HI-SKOR" 800-X	20.5	FED.	12S3	11/8	1095	5700
WINCHESTER	209	"HI-SKOR" 800-X	22.0	FED.	12S3	11/8	1155	6300
WINCHESTER	209	"HI-SKOR" 800-X	23.0	FED.	12S3	11/8	1195	6800
WINCHESTER	209	"HI-SKOR" 800-X	24.5	FED.	12S3	11/8	1250	7500
SHELL: REMINGTON PREMIER (RTL)								
FEDERAL	209A	"HI-SKOR" 700-X	15.0	WIN.	WAA12	11/8	1100	9500
FEDERAL	209A	"HI-SKOR" 700-X	16.5	WIN.	WAA12	11/8	1160	10900
FEDERAL	209A	"HI-SKOR" 700-X	15.5	WTW	WINDJAMMER	11/8	1110	8400
FEDERAL	209A	"HI-SKOR" 700-X	16.5	WTW	WINDJAMMER	11/8	1155	9500
FEDERAL	209A	"HI-SKOR" 700-X	17.5	WTW	WINDJAMMER	11/8	1200	10400
FEDERAL	209A	"HI-SKOR" 700-X	18.5	WTW	WINDJAMMER	11/8	1240	11100
FEDERAL	209A	"HI-SKOR" 700-X	15.5	CB	CB1118-12	11/8	1110	8500
FEDERAL	209A	"HI-SKOR" 700-X	16.5	CB	CB1118-12	11/8	1160	9700
FEDERAL	209A	"HI-SKOR" 700-X	17.5	CB	CB1118-12	11/8	1200	10800
FEDERAL	209A	"HI-SKOR" 700-X	15.5	REM.	FIG8	11/8	1105	8900
FEDERAL	209A	"HI-SKOR" 700-X	16.5	REM.	FIG8	11/8	1150	10000
FEDERAL	209A	"HI-SKOR" 700-X	17.5	REM.	FIG8	11/8	1195	11000
FEDERAL	209A	"HI-SKOR" 700-X	15.0	FED.	12S3	11/8	1095	9300
FEDERAL	209A	"HI-SKOR" 700-X	16.0	FED.	12S3	11/8	1135	10200
FEDERAL	209A	"HI-SKOR" 700-X	17.5	FED.	12S3	11/8	1200	11500
REMINGTON	209P	"HI-SKOR" 700-X	15.0	WIN.	WAA12	11/8	1090	8500
REMINGTON	209P	"HI-SKOR" 700-X	16.0	WIN.	WAA12	11/8	1140	9600
REMINGTON	209P	"HI-SKOR" 700-X	17.5	WIN.	WAA12	11/8	1205	11200
REMINGTON	209P	"HI-SKOR" 700-X	15.5	WTW	WINDJAMMER	11/8	1090	7600
REMINGTON	209P	"HI-SKOR" 700-X	16.5	WTW	WINDJAMMER	11/8	1135	8400
REMINGTON	209P	"HI-SKOR" 700-X	18.0	WTW	WINDJAMMER	11/8	1200	9600
REMINGTON	209P	"HI-SKOR" 700-X	19.0	WTW	WINDJAMMER	11/8	1245	10500
REMINGTON	209P	"HI-SKOR" 700-X	15.5	CB	CB1118-12	11/8	1110	8000
REMINGTON	209P	"HI-SKOR" 700-X	16.5	CB	CB1118-12	11/8	1155	8900
REMINGTON	209P	"HI-SKOR" 700-X	17.5	CB	CB1118-12	11/8	1195	9800

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. **DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2 3/4 INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)								
REMINGTON	209P	"HI-SKOR" 700-X	19.0	CB.	CB1118-12	11/8	1250	11100
REMINGTON	209P	"HI-SKOR" 700-X	15.5	REM.	FIG8	11/8	1095	8100
REMINGTON	209P	"HI-SKOR" 700-X	16.5	REM.	FIG8	11/8	1140	9000
REMINGTON	209P	"HI-SKOR" 700-X	18.0	REM.	FIG8	11/8	1205	10400
REMINGTON	209P	"HI-SKOR" 700-X	19.0	REM.	FIG8	11/8	1250	11300
REMINGTON	209P	"HI-SKOR" 700-X	15.0	FED.	12S3	11/8	1095	8900
REMINGTON	209P	"HI-SKOR" 700-X	16.5	FED.	12S3	11/8	1150	10200
REMINGTON	209P	"HI-SKOR" 700-X	17.5	FED.	12S3	11/8	1195	11100
WINCHESTER	209	"HI-SKOR" 700-X	15.5	WIN.	WAA12	11/8	1105	9300
WINCHESTER	209	"HI-SKOR" 700-X	16.5	WIN.	WAA12	11/8	1145	10200
WINCHESTER	209	"HI-SKOR" 700-X	17.5	WIN.	WAA12	11/8	1190	11200
WINCHESTER	209	"HI-SKOR" 700-X	15.5	WTW.	WINDJAMMER	11/8	1100	8000
WINCHESTER	209	"HI-SKOR" 700-X	16.5	WTW.	WINDJAMMER	11/8	1150	8900
WINCHESTER	209	"HI-SKOR" 700-X	17.5	WTW.	WINDJAMMER	11/8	1190	9800
WINCHESTER	209	"HI-SKOR" 700-X	19.0	WTW.	WINDJAMMER	11/8	1255	11100
WINCHESTER	209	"HI-SKOR" 700-X	15.5	CB.	CB1118-12	11/8	1095	7700
WINCHESTER	209	"HI-SKOR" 700-X	16.5	CB.	CB1118-12	11/8	1145	8700
WINCHESTER	209	"HI-SKOR" 700-X	17.5	CB.	CB1118-12	11/8	1190	9800
WINCHESTER	209	"HI-SKOR" 700-X	19.0	CB.	CB1118-12	11/8	1250	11400
WINCHESTER	209	"HI-SKOR" 700-X	15.5	REM.	FIG8	11/8	1095	8500
WINCHESTER	209	"HI-SKOR" 700-X	16.5	REM.	FIG8	11/8	1140	9400
WINCHESTER	209	"HI-SKOR" 700-X	18.0	REM.	FIG8	11/8	1205	10800
WINCHESTER	209	"HI-SKOR" 700-X	15.5	FED.	12S3	11/8	1100	9000
WINCHESTER	209	"HI-SKOR" 700-X	16.5	FED.	12S3	11/8	1145	9800
WINCHESTER	209	"HI-SKOR" 700-X	17.5	FED.	12S3	11/8	1190	10900
FEDERAL	209A	PB	18.5	WIN.	WAA12	11/8	1100	8200
FEDERAL	209A	PB	20.0	WIN.	WAA12	11/8	1155	9200
FEDERAL	209A	PB	21.0	WIN.	WAA12	11/8	1190	9900
FEDERAL	209A	PB	23.0	WIN.	WAA12	11/8	1260	11000
FEDERAL	209A	PB	19.5	WTW.	WINDJAMMER	11/8	1100	6800
FEDERAL	209A	PB	20.5	WTW.	WINDJAMMER	11/8	1145	7500
FEDERAL	209A	PB	22.0	WTW.	WINDJAMMER	11/8	1200	8500
FEDERAL	209A	PB	23.5	WTW.	WINDJAMMER	11/8	1260	9500
FEDERAL	209A	PB	19.0	CB.	CB1118-12	11/8	1100	7300
FEDERAL	209A	PB	20.5	CB.	CB1118-12	11/8	1150	7900
FEDERAL	209A	PB	22.0	CB.	CB1118-12	11/8	1205	8700
FEDERAL	209A	PB	23.5	CB.	CB1118-12	11/8	1260	9500
FEDERAL	209A	PB	19.5	REM.	FIG8	11/8	1110	7500
FEDERAL	209A	PB	20.5	REM.	FIG8	11/8	1150	8100
FEDERAL	209A	PB	22.0	REM.	FIG8	11/8	1200	8900
FEDERAL	209A	PB	23.5	REM.	FIG8	11/8	1255	9600
FEDERAL	209A	PB	18.5	FED.	12S4	11/8	1105	8400
FEDERAL	209A	PB	19.5	FED.	12S4	11/8	1140	8800
FEDERAL	209A	PB	21.0	FED.	12S4	11/8	1190	9600
FEDERAL	209A	PB	23.0	FED.	12S4	11/8	1265	10900
REMINGTON	209P	PB	19.5	WIN.	WAA12	11/8	1105	7300
REMINGTON	209P	PB	20.5	WIN.	WAA12	11/8	1145	8000
REMINGTON	209P	PB	22.0	WIN.	WAA12	11/8	1200	8700
REMINGTON	209P	PB	23.5	WIN.	WAA12	11/8	1255	9500
REMINGTON	209P	PB	20.0	WTW.	WINDJAMMER	11/8	1100	6300
REMINGTON	209P	PB	21.0	WTW.	WINDJAMMER	11/8	1140	6900
REMINGTON	209P	PB	22.5	WTW.	WINDJAMMER	11/8	1205	7900
REMINGTON	209P	PB	24.0	WTW.	WINDJAMMER	11/8	1265	8900
REMINGTON	209P	PB	19.5	CB.	CB1118-12	11/8	1090	6400
REMINGTON	209P	PB	21.0	CB.	CB1118-12	11/8	1150	7400
REMINGTON	209P	PB	22.5	CB.	CB1118-12	11/8	1200	8000
REMINGTON	209P	PB	24.0	CB.	CB1118-12	11/8	1250	8600
REMINGTON	209P	PB	20.0	REM.	FIG8	11/8	1100	6800
REMINGTON	209P	PB	21.5	REM.	FIG8	11/8	1150	7500
REMINGTON	209P	PB	23.0	REM.	FIG8	11/8	1205	8400
REMINGTON	209P	PB	24.5	REM.	FIG8	11/8	1260	9300
REMINGTON	209P	PB	19.0	FED.	12S4	11/8	1100	7700
REMINGTON	209P	PB	20.0	FED.	12S4	11/8	1140	8400
REMINGTON	209P	PB	21.5	FED.	12S4	11/8	1195	9300
REMINGTON	209P	PB	23.0	FED.	12S4	11/8	1245	10000

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. **DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

12 GAUGE 2 3/4 INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)								
WINCHESTER	209	PB	19.0	WIN.	WAA12	11/8	1100	7700
WINCHESTER	209	PB	20.0	WIN.	WAA12	11/8	1140	8400
WINCHESTER	209	PB	22.0	WIN.	WAA12	11/8	1205	9400
WINCHESTER	209	PB	23.5	WIN.	WAA12	11/8	1255	10200
WINCHESTER	209	PB	20.0	WTW.	WINDJAMMER	11/8	1105	6700
WINCHESTER	209	PB	21.0	WTW.	WINDJAMMER	11/8	1145	7300
WINCHESTER	209	PB	22.5	WTW.	WINDJAMMER	11/8	1205	8200
WINCHESTER	209	PB	24.0	WTW.	WINDJAMMER	11/8	1260	9100
WINCHESTER	209	PB	20.0	CB.	CB1118-12	11/8	1100	6700
WINCHESTER	209	PB	21.0	CB.	CB1118-12	11/8	1140	7200
WINCHESTER	209	PB	22.5	CB.	CB1118-12	11/8	1200	8000
WINCHESTER	209	PB	24.0	CB.	CB1118-12	11/8	1255	8800
WINCHESTER	209	PB	19.5	REM.	FIG8	11/8	1095	6900
WINCHESTER	209	PB	21.0	REM.	FIG8	11/8	1155	7900
WINCHESTER	209	PB	22.0	REM.	FIG8	11/8	1190	8400
WINCHESTER	209	PB	23.5	REM.	FIG8	11/8	1250	9300
WINCHESTER	209	PB	19.0	FED.	12S4	11/8	1095	7700
WINCHESTER	209	PB	20.5	FED.	12S4	11/8	1155	8500
WINCHESTER	209	PB	21.5	FED.	12S4	11/8	1190	9100
WINCHESTER	209	PB	23.5	FED.	12S4	11/8	1260	10400
FEDERAL	209A	SR7625	19.5	WIN.	WAA12	11/8	1100	7900
FEDERAL	209A	SR7625	20.5	WIN.	WAA12	11/8	1140	8500
FEDERAL	209A	SR7625	22.0	WIN.	WAA12	11/8	1205	9700
FEDERAL	209A	SR7625	23.0	WIN.	WAA12	11/8	1245	10500
FEDERAL	209A	SR7625	21.0	WTW.	WINDJAMMER	11/8	1105	6500
FEDERAL	209A	SR7625	22.0	WTW.	WINDJAMMER	11/8	1150	7200
FEDERAL	209A	SR7625	23.5	WTW.	WINDJAMMER	11/8	1205	7800
FEDERAL	209A	SR7625	25.0	WTW.	WINDJAMMER	11/8	1255	8400
FEDERAL	209A	SR7625	20.0	CB.	CB1118-12	11/8	1090	6900
FEDERAL	209A	SR7625	21.5	CB.	CB1118-12	11/8	1150	7900
FEDERAL	209A	SR7625	22.5	CB.	CB1118-12	11/8	1190	8400
FEDERAL	209A	SR7625	24.0	CB.	CB1118-12	11/8	1250	9200
FEDERAL	209A	SR7625	20.5	REM.	RXP12	11/8	1095	7200
FEDERAL	209A	SR7625	22.0	REM.	RXP12	11/8	1155	8000
FEDERAL	209A	SR7625	23.0	REM.	RXP12	11/8	1190	8600
FEDERAL	209A	SR7625	24.5	REM.	RXP12	11/8	1250	9400
FEDERAL	209A	SR7625	20.0	FED.	12S3	11/8	1095	7300
FEDERAL	209A	SR7625	21.0	FED.	12S3	11/8	1140	8100
FEDERAL	209A	SR7625	22.5	FED.	12S3	11/8	1195	9100
FEDERAL	209A	SR7625	24.0	FED.	12S3	11/8	1250	10000
REMINGTON	209P	SR7625	20.0	WIN.	WAA12	11/8	1090	7100
REMINGTON	209P	SR7625	21.5	WIN.	WAA12	11/8	1150	8000
REMINGTON	209P	SR7625	23.0	WIN.	WAA12	11/8	1200	8700
REMINGTON	209P	SR7625	24.5	WIN.	WAA12	11/8	1255	9400
REMINGTON	209P	SR7625	21.5	WTW.	WINDJAMMER	11/8	1095	6000
REMINGTON	209P	SR7625	23.0	WTW.	WINDJAMMER	11/8	1150	6700
REMINGTON	209P	SR7625	24.0	WTW.	WINDJAMMER	11/8	1195	7300
REMINGTON	209P	SR7625	25.5	WTW.	WINDJAMMER	11/8	1260	8400
REMINGTON	209P	SR7625	20.5	CB.	CB1118-12	11/8	1095	6400
REMINGTON	209P	SR7625	22.0	CB.	CB1118-12	11/8	1155	7400
REMINGTON	209P	SR7625	23.0	CB.	CB1118-12	11/8	1195	8000
REMINGTON	209P	SR7625	24.5	CB.	CB1118-12	11/8	1250	8800
REMINGTON	209P	SR7625	21.0	REM.	RXP12	11/8	1095	6500
REMINGTON	209P	SR7625	22.5	REM.	RXP12	11/8	1150	7400
REMINGTON	209P	SR7625	24.0	REM.	RXP12	11/8	1205	8200
REMINGTON	209P	SR7625	25.5	REM.	RXP12	11/8	1250	9000
REMINGTON	209P	SR7625	21.0	FED.	12S3	11/8	1110	7200
REMINGTON	209P	SR7625	22.0	FED.	12S3	11/8	1150	7800
REMINGTON	209P	SR7625	23.5	FED.	12S3	11/8	1210	8700
REMINGTON	209P	SR7625	24.5	FED.	12S3	11/8	1250	9500
WINCHESTER	209	SR7625	20.5	WIN.	WAA12	11/8	1090	7000
WINCHESTER	209	SR7625	22.0	WIN.	WAA12	11/8	1155	7900
WINCHESTER	209	SR7625	23.0	WIN.	WAA12	11/8	1195	8600

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2 3/4 INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)								
WINCHESTER	209	SR7625	24.5	WIN.	WAA12	11/8	1250	9500
WINCHESTER	209	SR7625	21.5	WTW.	WINDJAMMER	11/8	1095	5900
WINCHESTER	209	SR7625	22.5	WTW.	WINDJAMMER	11/8	1140	6500
WINCHESTER	209	SR7625	24.0	WTW.	WINDJAMMER	11/8	1205	7700
WINCHESTER	209	SR7625	25.0	WTW.	WINDJAMMER	11/8	1250	8500
WINCHESTER	209	SR7625	21.0	CB.	CB1118-12	11/8	1090	6200
WINCHESTER	209	SR7625	22.5	CB.	CB1118-12	11/8	1155	7200
WINCHESTER	209	SR7625	23.0	CB.	CB1118-12	11/8	1200	7600
WINCHESTER	209	SR7625	24.5	CB.	CB1118-12	11/8	1245	8600
WINCHESTER	209	SR7625	21.0	REM.	RXP12	11/8	1090	6200
WINCHESTER	209	SR7625	22.5	REM.	RXP12	11/8	1155	7400
WINCHESTER	209	SR7625	23.5	REM.	RXP12	11/8	1195	7900
WINCHESTER	209	SR7625	25.0	REM.	RXP12	11/8	1250	8800
WINCHESTER	209	SR7625	20.5	FED.	12S3	11/8	1090	6700
WINCHESTER	209	SR7625	22.0	FED.	12S3	11/8	1145	7800
WINCHESTER	209	SR7625	23.5	FED.	12S3	11/8	1205	8800
WINCHESTER	209	SR7625	24.5	FED.	12S3	11/8	1255	9600
CCI	209	"HI-SKOR" 800-X	19.5	WIN.	WAA12	11/8	1105	6900
CCI	209	"HI-SKOR" 800-X	20.5	WIN.	WAA12	11/8	1150	7500
CCI	209	"HI-SKOR" 800-X	21.5	WIN.	WAA12	11/8	1190	8200
CCI	209	"HI-SKOR" 800-X	23.0	WIN.	WAA12	11/8	1255	9100
CCI	209	"HI-SKOR" 800-X	20.0	WTW	WINDJAMMER	11/8	1095	6000
CCI	209	"HI-SKOR" 800-X	21.0	WTW	WINDJAMMER	11/8	1145	6700
CCI	209	"HI-SKOR" 800-X	22.0	WTW	WINDJAMMER	11/8	1195	7300
CCI	209	"HI-SKOR" 800-X	23.5	WTW	WINDJAMMER	11/8	1250	8200
CCI	209	"HI-SKOR" 800-X	19.5	CB	CB1118-12	11/8	1095	6200
CCI	209	"HI-SKOR" 800-X	21.0	CB	CB1118-12	11/8	1155	7000
CCI	209	"HI-SKOR" 800-X	22.0	CB	CB1118-12	11/8	1195	7500
CCI	209	"HI-SKOR" 800-X	23.5	CB	CB1118-12	11/8	1255	8400
CCI	209	"HI-SKOR" 800-X	19.5	REM.	FIG8	11/8	1095	6500
CCI	209	"HI-SKOR" 800-X	21.0	REM.	FIG8	11/8	1155	7200
CCI	209	"HI-SKOR" 800-X	22.0	REM.	FIG8	11/8	1190	7600
CCI	209	"HI-SKOR" 800-X	24.0	REM.	FIG8	11/8	1265	8700
CCI	209	"HI-SKOR" 800-X	19.5	FED.	12S3	11/8	1100	7000
CCI	209	"HI-SKOR" 800-X	20.5	FED.	12S3	11/8	1140	7600
CCI	209	"HI-SKOR" 800-X	22.0	FED.	12S3	11/8	1200	8500
CCI	209	"HI-SKOR" 800-X	23.5	FED.	12S3	11/8	1260	9400
FEDERAL	209A	"HI-SKOR" 800-X	19.0	WIN.	WAA12	11/8	1095	7200
FEDERAL	209A	"HI-SKOR" 800-X	20.0	WIN.	WAA12	11/8	1145	8000
FEDERAL	209A	"HI-SKOR" 800-X	21.0	WIN.	WAA12	11/8	1190	8700
FEDERAL	209A	"HI-SKOR" 800-X	22.5	WIN.	WAA12	11/8	1250	9700
FEDERAL	209A	"HI-SKOR" 800-X	20.0	WTW	WINDJAMMER	11/8	1110	6500
FEDERAL	209A	"HI-SKOR" 800-X	21.0	WTW	WINDJAMMER	11/8	1160	7200
FEDERAL	209A	"HI-SKOR" 800-X	22.0	WTW	WINDJAMMER	11/8	1205	7900
FEDERAL	209A	"HI-SKOR" 800-X	23.0	WTW	WINDJAMMER	11/8	1250	8600
FEDERAL	209A	"HI-SKOR" 800-X	19.5	CB	CB1118-12	11/8	1105	6800
FEDERAL	209A	"HI-SKOR" 800-X	20.5	CB	CB1118-12	11/8	1150	7500
FEDERAL	209A	"HI-SKOR" 800-X	21.5	CB	CB1118-12	11/8	1200	8200
FEDERAL	209A	"HI-SKOR" 800-X	23.0	CB	CB1118-12	11/8	1250	9000
FEDERAL	209A	"HI-SKOR" 800-X	19.5	REM.	FIG8	11/8	1100	6900
FEDERAL	209A	"HI-SKOR" 800-X	20.5	REM.	FIG8	11/8	1140	7500
FEDERAL	209A	"HI-SKOR" 800-X	22.0	REM.	FIG8	11/8	1200	8400
FEDERAL	209A	"HI-SKOR" 800-X	23.5	REM.	FIG8	11/8	1260	9200
FEDERAL	209A	"HI-SKOR" 800-X	19.0	FED.	12S3	11/8	1100	7300
FEDERAL	209A	"HI-SKOR" 800-X	20.0	FED.	12S3	11/8	1140	8000
FEDERAL	209A	"HI-SKOR" 800-X	21.5	FED.	12S3	11/8	1205	9000
FEDERAL	209A	"HI-SKOR" 800-X	23.0	FED.	12S3	11/8	1260	9900
WINCHESTER	209	"HI-SKOR" 800-X	19.0	WIN.	WAA12	11/8	1090	6900
WINCHESTER	209	"HI-SKOR" 800-X	20.0	WIN.	WAA12	11/8	1140	7800
WINCHESTER	209	"HI-SKOR" 800-X	21.0	WIN.	WAA12	11/8	1190	8600
WINCHESTER	209	"HI-SKOR" 800-X	22.5	WIN.	WAA12	11/8	1250	9600
WINCHESTER	209	"HI-SKOR" 800-X	20.0	WTW	WINDJAMMER	11/8	1095	6200
WINCHESTER	209	"HI-SKOR" 800-X	21.0	WTW	WINDJAMMER	11/8	1145	6900
WINCHESTER	209	"HI-SKOR" 800-X	22.0	WTW	WINDJAMMER	11/8	1190	7500
WINCHESTER	209	"HI-SKOR" 800-X	23.5	WTW	WINDJAMMER	11/8	1250	8400
WINCHESTER	209	"HI-SKOR" 800-X	19.5	CB	CB1118-12	11/8	1100	6500
WINCHESTER	209	"HI-SKOR" 800-X	20.5	CB	CB1118-12	11/8	1145	7200
WINCHESTER	209	"HI-SKOR" 800-X	21.5	CB	CB1118-12	11/8	1190	7800
WINCHESTER	209	"HI-SKOR" 800-X	23.0	CB	CB1118-12	11/8	1250	8700
WINCHESTER	209	"HI-SKOR" 800-X	19.5	REM.	FIG8	11/8	1095	6500
WINCHESTER	209	"HI-SKOR" 800-X	20.5	REM.	FIG8	11/8	1140	7200
WINCHESTER	209	"HI-SKOR" 800-X	22.0	REM.	FIG8	11/8	1205	8100

12 GAUGE 2 3/4 INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)								
WINCHESTER	209	"HI-SKOR" 800-X	23.5	REM.	FIG8	11/8	1265	8900
WINCHESTER	209	"HI-SKOR" 800-X	19.0	FED.	12S3	11/8	1090	6800
WINCHESTER	209	"HI-SKOR" 800-X	20.0	FED.	12S3	11/8	1135	7500
WINCHESTER	209	"HI-SKOR" 800-X	21.5	FED.	12S3	11/8	1205	8500
WINCHESTER	209	"HI-SKOR" 800-X	23.0	FED.	12S3	11/8	1260	9600
SHELL: WINCHESTER AA								
FEDERAL	209A	"HI-SKOR" 700-X	15.0	WIN.	WAA12	11/8	1090	9100
FEDERAL	209A	"HI-SKOR" 700-X	16.0	WIN.	WAA12	11/8	1135	10000
FEDERAL	209A	"HI-SKOR" 700-X	17.5	WIN.	WAA12	11/8	1200	11300
FEDERAL	209A	"HI-SKOR" 700-X	15.0	WTW.	WINDJAMMER	11/8	1095	8200
FEDERAL	209A	"HI-SKOR" 700-X	16.0	WTW.	WINDJAMMER	11/8	1140	9000
FEDERAL	209A	"HI-SKOR" 700-X	17.5	WTW.	WINDJAMMER	11/8	1200	10100
FEDERAL	209A	"HI-SKOR" 700-X	19.0	WTW.	WINDJAMMER	11/8	1255	11000
FEDERAL	209A	"HI-SKOR" 700-X	15.0	CB.	CB1118-12	11/8	1095	8500
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB1118-12	11/8	1140	9400
FEDERAL	209A	"HI-SKOR" 700-X	17.5	CB.	CB1118-12	11/8	1200	10700
FEDERAL	209A	"HI-SKOR" 700-X	18.5	CB.	CB1118-12	11/8	1245	11500
FEDERAL	209A	"HI-SKOR" 700-X	15.5	REM.	FIG8	11/8	1100	8900
FEDERAL	209A	"HI-SKOR" 700-X	16.5	REM.	FIG8	11/8	1145	9600
FEDERAL	209A	"HI-SKOR" 700-X	18.0	REM.	FIG8	11/8	1205	10600
FEDERAL	209A	"HI-SKOR" 700-X	19.0	REM.	FIG8	11/8	1240	11200
FEDERAL	209A	"HI-SKOR" 700-X	15.5	FED.	12S3	11/8	1100	9000
FEDERAL	209A	"HI-SKOR" 700-X	16.5	FED.	12S3	11/8	1145	9900
FEDERAL	209A	"HI-SKOR" 700-X	18.0	FED.	12S3	11/8	1205	11200
REMINGTON	209P	"HI-SKOR" 700-X	15.5	WIN.	WAA12	11/8	1095	8200
REMINGTON	209P	"HI-SKOR" 700-X	17.0	WIN.	WAA12	11/8	1150	9000
REMINGTON	209P	"HI-SKOR" 700-X	18.5	WIN.	WAA12	11/8	1205	9800
REMINGTON	209P	"HI-SKOR" 700-X	20.0	WIN.	WAA12	11/8	1260	10800
REMINGTON	209P	"HI-SKOR" 700-X	16.0	WTW.	WINDJAMMER	11/8	1090	6800
REMINGTON	209P	"HI-SKOR" 700-X	17.5	WTW.	WINDJAMMER	11/8	1145	7600
REMINGTON	209P	"HI-SKOR" 700-X	19.0	WTW.	WINDJAMMER	11/8	1195	8500
REMINGTON	209P	"HI-SKOR" 700-X	20.5	WTW.	WINDJAMMER	11/8	1245	9300
REMINGTON	209P	"HI-SKOR" 700-X	15.5	CB.	CB1118-12	11/8	1090	6900
REMINGTON	209P	"HI-SKOR" 700-X	17.0	CB.	CB1118-12	11/8	1150	7900
REMINGTON	209P	"HI-SKOR" 700-X	18.0	CB.	CB1118-12	11/8	1195	8900
REMINGTON	209P	"HI-SKOR" 700-X	19.5	CB.	CB1118-12	11/8	1255	10400
REMINGTON	209P	"HI-SKOR" 700-X	16.0	REM.	FIG8	11/8	1100	7900
REMINGTON	209P	"HI-SKOR" 700-X	17.0	REM.	FIG8	11/8	1145	8400
REMINGTON	209P	"HI-SKOR" 700-X	18.5	REM.	FIG8	11/8	1205	9500
REMINGTON	209P	"HI-SKOR" 700-X	19.5	REM.	FIG8	11/8	1250	10200
REMINGTON	209P	"HI-SKOR" 700-X	15.5	FED.	12S3	11/8	1090	7800
REMINGTON	209P	"HI-SKOR" 700-X	16.5	FED.	12S3	11/8	1135	8600
REMINGTON	209P	"HI-SKOR" 700-X	18.0	FED.	12S3	11/8	1190	9700
REMINGTON	209P	"HI-SKOR" 700-X	19.5	FED.	12S3	11/8	1250	10900
WINCHESTER	209	"HI-SKOR" 700-X	15.5	WIN.	WAA12	11/8	1105	9200
WINCHESTER	209	"HI-SKOR" 700-X	16.5	WIN.	WAA12	11/8	1150	10100
WINCHESTER	209	"HI-SKOR" 700-X	17.5	WIN.	WAA12	11/8	1190	10800
WINCHESTER	209	"HI-SKOR" 700-X	15.5	WTW.	WINDJAMMER	11/8	1110	8100
WINCHESTER	209	"HI-SKOR" 700-X	16.5	WTW.	WINDJAMMER	11/8	1150	8900
WINCHESTER	209	"HI-SKOR" 700-X	17.5	WTW.	WINDJAMMER	11/8	1195	9700
WINCHESTER	209	"HI-SKOR" 700-X	19.0	WTW.	WINDJAMMER	11/8	1250	11000
WINCHESTER	209	"HI-SKOR" 700-X	15.5	CB.	CB1118-12	11/8	1105	8600
WINCHESTER	209	"HI-SKOR" 700-X	16.5	CB.	CB1118-12	11/8	1150	9500
WINCHESTER	209	"HI-SKOR" 700-X	17.5	CB.	CB1118-12	11/8	1195	10200
WINCHESTER	209	"HI-SKOR" 700-X	19.0	CB.	CB1118-12	11/8	1255	11200
WINCHESTER	209	"HI-SKOR" 700-X	15.5	REM.	FIG8	11/8	1090	8300
WINCHESTER	209	"HI-SKOR" 700-X	16.5	REM.	FIG8	11/8	1135	9000
WINCHESTER	209	"HI-SKOR" 700-X	18.0	REM.	FIG8	11/8	1200	10200
WINCHESTER	209	"HI-SKOR" 700-X	19.5	REM.	FIG8	11/8	1255	11400
WINCHESTER	209	"HI-SKOR" 700-X	15.5	FED.	12S3	11/8	1100	9500
WINCHESTER	209	"HI-SKOR" 700-X	16.5	FED.	12S3	11/8	1150	10400
WINCHESTER	209	"HI-SKOR" 700-X	17.5	FED.	12S3	11/8	1190	11100
FEDERAL	209A	PB	19.0	WIN.	WAA12	11/8	1100	7500
FEDERAL	209A	PB	20.5	WIN.	WAA12	11/8	1150	8200
FEDERAL	209A	PB	22.0	WIN.	WAA12	11/8	1205	8900

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2 3/4 INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER AA								
FEDERAL	209A	PB	23.5	WIN.	WAA12	11/8	1260	9700
FEDERAL	209A	PB	19.5	WTW.	WINDJAMMER	11/8	1100	6400
FEDERAL	209A	PB	21.0	WTW.	WINDJAMMER	11/8	1155	7000
FEDERAL	209A	PB	22.5	WTW.	WINDJAMMER	11/8	1205	7800
FEDERAL	209A	PB	24.0	WTW.	WINDJAMMER	11/8	1260	8700
FEDERAL	209A	PB	19.5	CB.	CB1118-12	11/8	1105	6600
FEDERAL	209A	PB	21.0	CB.	CB1118-12	11/8	1155	7400
FEDERAL	209A	PB	22.5	CB.	CB1118-12	11/8	1205	7900
FEDERAL	209A	PB	24.0	CB.	CB1118-12	11/8	1255	8600
FEDERAL	209A	PB	19.5	REM.	RXP12	11/8	1105	7100
FEDERAL	209A	PB	20.5	REM.	RXP12	11/8	1140	7600
FEDERAL	209A	PB	22.0	REM.	RXP12	11/8	1195	8400
FEDERAL	209A	PB	23.5	REM.	RXP12	11/8	1250	9300
FEDERAL	209A	PB	19.0	FED.	12S4	11/8	1100	7600
FEDERAL	209A	PB	20.5	FED.	12S4	11/8	1150	8300
FEDERAL	209A	PB	22.0	FED.	12S4	11/8	1200	9100
FEDERAL	209A	PB	23.5	FED.	12S4	11/8	1255	10100
REMINGTON	209P	PB	20.0	WIN.	WAA12	11/8	1100	6500
REMINGTON	209P	PB	21.0	WIN.	WAA12	11/8	1140	7100
REMINGTON	209P	PB	23.0	WIN.	WAA12	11/8	1200	7700
REMINGTON	209P	PB	24.5	WIN.	WAA12	11/8	1260	8800
REMINGTON	209P	PB	20.0	WTW.	WINDJAMMER	11/8	1095	5700
REMINGTON	209P	PB	21.5	WTW.	WINDJAMMER	11/8	1145	6400
REMINGTON	209P	PB	23.0	WTW.	WINDJAMMER	11/8	1205	7300
REMINGTON	209P	PB	24.5	WTW.	WINDJAMMER	11/8	1255	7900
REMINGTON	209P	PB	20.5	CB.	CB1118-12	11/8	1100	5500
REMINGTON	209P	PB	21.5	CB.	CB1118-12	11/8	1140	6100
REMINGTON	209P	PB	23.0	CB.	CB1118-12	11/8	1200	7100
REMINGTON	209P	PB	24.5	CB.	CB1118-12	11/8	1250	7700
REMINGTON	209P	PB	20.0	REM.	RXP12	11/8	1100	6400
REMINGTON	209P	PB	21.0	REM.	RXP12	11/8	1140	7000
REMINGTON	209P	PB	22.5	REM.	RXP12	11/8	1200	8000
REMINGTON	209P	PB	24.0	REM.	RXP12	11/8	1255	8900
REMINGTON	209P	PB	19.5	FED.	12S4	11/8	1095	6900
REMINGTON	209P	PB	20.5	FED.	12S4	11/8	1140	7700
REMINGTON	209P	PB	22.0	FED.	12S4	11/8	1195	8600
REMINGTON	209P	PB	24.0	FED.	12S4	11/8	1260	9600
WINCHESTER	209	PB	19.5	WIN.	WAA12	11/8	1095	6900
WINCHESTER	209	PB	21.0	WIN.	WAA12	11/8	1150	7700
WINCHESTER	209	PB	22.5	WIN.	WAA12	11/8	1205	8600
WINCHESTER	209	PB	24.0	WIN.	WAA12	11/8	1265	9400
WINCHESTER	209	PB	20.0	WTW.	WINDJAMMER	11/8	1100	6200
WINCHESTER	209	PB	21.5	WTW.	WINDJAMMER	11/8	1155	6900
WINCHESTER	209	PB	23.0	WTW.	WINDJAMMER	11/8	1205	7400
WINCHESTER	209	PB	24.5	WTW.	WINDJAMMER	11/8	1260	8400
WINCHESTER	209	PB	20.0	CB.	CB1118-12	11/8	1100	6300
WINCHESTER	209	PB	21.5	CB.	CB1118-12	11/8	1155	7000
WINCHESTER	209	PB	23.0	CB.	CB1118-12	11/8	1210	7900
WINCHESTER	209	PB	24.0	CB.	CB1118-12	11/8	1250	8500
WINCHESTER	209	PB	20.0	REM.	RXP12	11/8	1110	6900
WINCHESTER	209	PB	21.0	REM.	RXP12	11/8	1155	7500
WINCHESTER	209	PB	22.5	REM.	RXP12	11/8	1205	8500
WINCHESTER	209	PB	24.0	REM.	RXP12	11/8	1265	9500
WINCHESTER	209	PB	19.5	FED.	12S4	11/8	1105	7400
WINCHESTER	209	PB	20.5	FED.	12S4	11/8	1145	8000
WINCHESTER	209	PB	22.0	FED.	12S4	11/8	1200	8900
WINCHESTER	209	PB	23.5	FED.	12S4	11/8	1255	9900
FEDERAL	209A	SR7625	21.0	WIN.	WAA12	11/8	1100	6800
FEDERAL	209A	SR7625	22.5	WIN.	WAA12	11/8	1155	7400
FEDERAL	209A	SR7625	23.5	WIN.	WAA12	11/8	1190	7900
FEDERAL	209A	SR7625	25.5	WIN.	WAA12	11/8	1260	9100
FEDERAL	209A	SR7625	22.0	WTW.	WINDJAMMER	11/8	1095	5400
FEDERAL	209A	SR7625	23.5	WTW.	WINDJAMMER	11/8	1155	6400
FEDERAL	209A	SR7625	24.5	WTW.	WINDJAMMER	11/8	1200	7200
FEDERAL	209A	SR7625	25.5	WTW.	WINDJAMMER	11/8	1245	7900
FEDERAL	209A	SR7625	21.5	CB.	CB1118-12	11/8	1105	6300
FEDERAL	209A	SR7625	22.5	CB.	CB1118-12	11/8	1145	6800
FEDERAL	209A	SR7625	24.0	CB.	CB1118-12	11/8	1195	7600
FEDERAL	209A	SR7625	25.5	CB.	CB1118-12	11/8	1250	8400
FEDERAL	209A	SR7625	21.5	REM.	RXP12	11/8	1095	6100
FEDERAL	209A	SR7625	22.5	REM.	RXP12	11/8	1140	6800
FEDERAL	209A	SR7625	24.0	REM.	RXP12	11/8	1195	7700
FEDERAL	209A	SR7625	25.5	REM.	RXP12	11/8	1250	8600

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. **DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

12 GAUGE 2 3/4 INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER AA								
FEDERAL	209A	SR7625	21.0	FED.	12S4	11/8	1100	6800
FEDERAL	209A	SR7625	22.5	FED.	12S4	11/8	1155	7600
FEDERAL	209A	SR7625	23.5	FED.	12S4	11/8	1195	8300
FEDERAL	209A	SR7625	25.0	FED.	12S4	11/8	1255	9300
REMINGTON	209P	SR7625	22.0	WIN.	WAA12	11/8	1110	6000
REMINGTON	209P	SR7625	23.0	WIN.	WAA12	11/8	1145	6400
REMINGTON	209P	SR7625	24.5	WIN.	WAA12	11/8	1195	7200
REMINGTON	209P	SR7625	26.0	WIN.	WAA12	11/8	1255	8000
REMINGTON	209P	SR7625	22.0	WTW.	WINDJAMMER	11/8	1095	5100
REMINGTON	209P	SR7625	23.5	WTW.	WINDJAMMER	11/8	1150	5900
REMINGTON	209P	SR7625	24.5	WTW.	WINDJAMMER	11/8	1190	6400
REMINGTON	209P	SR7625	26.0	WTW.	WINDJAMMER	11/8	1250	7200
REMINGTON	209P	SR7625	22.0	CB.	CB1118-12	11/8	1105	5600
REMINGTON	209P	SR7625	23.0	CB.	CB1118-12	11/8	1145	6300
REMINGTON	209P	SR7625	24.5	CB.	CB1118-12	11/8	1205	7300
REMINGTON	209P	SR7625	25.5	CB.	CB1118-12	11/8	1250	8000
REMINGTON	209P	SR7625	22.0	REM.	RXP12	11/8	1105	5800
REMINGTON	209P	SR7625	23.0	REM.	RXP12	11/8	1145	6300
REMINGTON	209P	SR7625	24.5	REM.	RXP12	11/8	1205	7400
REMINGTON	209P	SR7625	25.5	REM.	RXP12	11/8	1250	8200
REMINGTON	209P	SR7625	21.5	FED.	12S4	11/8	1100	6500
REMINGTON	209P	SR7625	22.5	FED.	12S4	11/8	1145	7200
REMINGTON	209P	SR7625	24.0	FED.	12S4	11/8	1205	8100
REMINGTON	209P	SR7625	25.5	FED.	12S4	11/8	1255	9100
WINCHESTER	209	SR7625	21.0	WIN.	WAA12	1 1/8	1090	6400
WINCHESTER	209	SR7625	22.5	WIN.	WAA12	1 1/8	1150	7300
WINCHESTER	209	SR7625	23.5	WIN.	WAA12	1 1/8	1190	7900
WINCHESTER	209	SR7625	25.5	WIN.	WAA12	1 1/8	1265	9600
WINCHESTER	209	SR7625	22.0	WTW.	WINDJAMMER	1 1/8	1105	5700
WINCHESTER	209	SR7625	23.0	WTW.	WINDJAMMER	1 1/8	1140	6200
WINCHESTER	209	SR7625	24.5	WTW.	WINDJAMMER	1 1/8	1200	6900
WINCHESTER	209	SR7625	26.0	WTW.	WINDJAMMER	1 1/8	1255	7900
WINCHESTER	209	SR7625	21.5	CB.	CB1118-12	1 1/8	1100	6000
WINCHESTER	209	SR7625	22.5	CB.	CB1118-12	1 1/8	1145	6500
WINCHESTER	209	SR7625	24.0	CB.	CB1118-12	1 1/8	1195	7300
WINCHESTER	209	SR7625	26.0	CB.	CB1118-12	1 1/8	1265	8200
WINCHESTER	209	SR7625	22.0	REM.	RXP12	1 1/8	1105	6200
WINCHESTER	209	SR7625	23.0	REM.	RXP12	1 1/8	1145	6600
WINCHESTER	209	SR7625	24.5	REM.	RXP12	1 1/8	1200	7500
WINCHESTER	209	SR7625	26.0	REM.	RXP12	1 1/8	1255	8300
WINCHESTER	209	SR7625	21.0	FED.	12S4	1 1/8	1095	6700
WINCHESTER	209	SR7625	22.5	FED.	12S4	1 1/8	1145	7500
WINCHESTER	209	SR7625	24.0	FED.	12S4	1 1/8	1200	8400
WINCHESTER	209	SR7625	25.5	FED.	12S4	1 1/8	1260	9200
CCI	209	"HI-SKOR" 800-X	20.5	WIN.	WAA12	1 1/8	1095	5800
CCI	209	"HI-SKOR" 800-X	22.0	WIN.	WAA12	1 1/8	1155	6500
CCI	209	"HI-SKOR" 800-X	23.0	WIN.	WAA12	1 1/8	1195	7000
CCI	209	"HI-SKOR" 800-X	24.5	WIN.	WAA12	1 1/8	1250	7700
CCI	209	"HI-SKOR" 800-X	21.5	WTW.	WINDJAMMER	1 1/8	1100	4800
CCI	209	"HI-SKOR" 800-X	22.5	WTW.	WINDJAMMER	1 1/8	1150	5400
CCI	209	"HI-SKOR" 800-X	24.0	WTW.	WINDJAMMER	1 1/8	1195	5800
CCI	209	"HI-SKOR" 800-X	26.0	WTW.	WINDJAMMER	1 1/8	1260	6200
CCI	209	"HI-SKOR" 800-X	21.0	CB.	CB1118-12	1 1/8	1095	5000
CCI	209	"HI-SKOR" 800-X	22.5	CB.	CB1118-12	1 1/8	1150	5400
CCI	209	"HI-SKOR" 800-X	24.0	CB.	CB1118-12	1 1/8	1200	6100
CCI	209	"HI-SKOR" 800-X	25.5	CB.	CB1118-12	1 1/8	1250	6700
CCI	209	"HI-SKOR" 800-X	21.0	REM.	FIG8	1 1/8	1095	5200
CCI	209	"HI-SKOR" 800-X	22.0	REM.	FIG8	1 1/8	1135	5700
CCI	209	"HI-SKOR" 800-X	23.5	REM.	FIG8	1 1/8	1195	6300
CCI	209	"HI-SKOR" 800-X	25.5	REM.	FIG8	1 1/8	1260	6900
CCI	209	"HI-SKOR" 800-X	20.5	FED.	12S3	1 1/8	1090	5800
CCI	209	"HI-SKOR" 800-X	22.0	FED.	12S3	1 1/8	1150	6400
CCI	209	"HI-SKOR" 800-X	23.0	FED.	12S3	1 1/8	1190	6800
CCI	209	"HI-SKOR" 800-X	24.5	FED.	12S3	1 1/8	1255	7800

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2 3/4 INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER AA								
FEDERAL	209A	"HI-SKOR" 800-X	20.0	WIN.	WAA12	1 1/8	1105	6600
FEDERAL	209A	"HI-SKOR" 800-X	21.0	WIN.	WAA12	1 1/8	1140	7000
FEDERAL	209A	"HI-SKOR" 800-X	22.5	WIN.	WAA12	1 1/8	1200	7800
FEDERAL	209A	"HI-SKOR" 800-X	24.0	WIN.	WAA12	1 1/8	1260	8600
FEDERAL	209A	"HI-SKOR" 800-X	21.0	WTW	WINDJAMMER	1 1/8	1105	5100
FEDERAL	209A	"HI-SKOR" 800-X	22.0	WTW	WINDJAMMER	1 1/8	1150	5800
FEDERAL	209A	"HI-SKOR" 800-X	23.0	WTW	WINDJAMMER	1 1/8	1195	6500
FEDERAL	209A	"HI-SKOR" 800-X	24.5	WTW	WINDJAMMER	1 1/8	1265	7600
FEDERAL	209A	"HI-SKOR" 800-X	20.5	CB	CB1118-2	1 1/8	1095	5600
FEDERAL	209A	"HI-SKOR" 800-X	22.0	CB	CB1118-2	1 1/8	1155	6300
FEDERAL	209A	"HI-SKOR" 800-X	23.0	CB	CB1118-2	1 1/8	1195	6800
FEDERAL	209A	"HI-SKOR" 800-X	24.5	CB	CB1118-2	1 1/8	1250	7500
FEDERAL	209A	"HI-SKOR" 800-X	20.5	REM.	FIG8	1 1/8	1090	5200
FEDERAL	209A	"HI-SKOR" 800-X	21.5	REM.	FIG8	1 1/8	1135	5700
FEDERAL	209A	"HI-SKOR" 800-X	23.0	REM.	FIG8	1 1/8	1200	6700
FEDERAL	209A	"HI-SKOR" 800-X	24.5	REM.	RIG8	1 1/8	1260	7700
FEDERAL	209A	"HI-SKOR" 800-X	19.5	FED.	12S3	1 1/8	1095	6400
FEDERAL	209A	"HI-SKOR" 800-X	21.0	FED.	12S3	1 1/8	1150	7100
FEDERAL	209A	"HI-SKOR" 800-X	22.5	FED.	12S3	1 1/8	1200	7800
FEDERAL	209A	"HI-SKOR" 800-X	24.0	FED.	12S3	1 1/8	1255	8500
WINCHESTER	209	"HI-SKOR" 800-X	20.0	WIN.	WAA12	1 1/8	1100	6600
WINCHESTER	209	"HI-SKOR" 800-X	21.0	WIN.	WAA12	1 1/8	1145	7200
WINCHESTER	209	"HI-SKOR" 800-X	22.0	WIN.	WAA12	1 1/8	1190	7800
WINCHESTER	209	"HI-SKOR" 800-X	24.0	WIN.	WAA12	1 1/8	1265	8800
WINCHESTER	209	"HI-SKOR" 800-X	20.5	WTW	WINDJAMMER	1 1/8	1095	5400
WINCHESTER	209	"HI-SKOR" 800-X	21.5	WTW	WINDJAMMER	1 1/8	1145	6000
WINCHESTER	209	"HI-SKOR" 800-X	22.5	WTW	WINDJAMMER	1 1/8	1190	6700
WINCHESTER	209	"HI-SKOR" 800-X	24.0	WTW	WINDJAMMER	1 1/8	1260	7700
WINCHESTER	209	"HI-SKOR" 800-X	20.0	CB	CB1118-12	1 1/8	1095	5800
WINCHESTER	209	"HI-SKOR" 800-X	21.5	CB	CB1118-12	1 1/8	1150	6500
WINCHESTER	209	"HI-SKOR" 800-X	23.0	CB	CB1118-12	1 1/8	1205	7100
WINCHESTER	209	"HI-SKOR" 800-X	24.5	CB	CB1118-12	1 1/8	1260	7800
WINCHESTER	209	"HI-SKOR" 800-X	20.0	REM.	FIG8	1 1/8	1105	6100
WINCHESTER	209	"HI-SKOR" 800-X	21.0	REM.	FIG8	1 1/8	1150	6600
WINCHESTER	209	"HI-SKOR" 800-X	22.5	REM.	FIG8	1 1/8	1195	7000
WINCHESTER	209	"HI-SKOR" 800-X	24.5	REM.	FIG8	1 1/8	1255	7700
WINCHESTER	209	"HI-SKOR" 800-X	20.0	FED.	12S3	1 1/8	1100	6500
WINCHESTER	209	"HI-SKOR" 800-X	21.5	FED.	12S3	1 1/8	1155	7100
WINCHESTER	209	"HI-SKOR" 800-X	22.5	FED.	12S3	1 1/8	1195	7600
WINCHESTER	209	"HI-SKOR" 800-X	24.0	FED.	12S3	1 1/8	1250	8400

20 GAUGE 2 3/4 INCH 7/8 OUNCE LOADS

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 2 3/4" PLASTIC TARGET/HUNTING								
FEDERAL	209A	"HI-SKOR" 700-X	14.5	WIN.	WAA20	7/8	1210	11700
FEDERAL	209A	"HI-SKOR" 700-X	14.5	WTW	WINDJAMMER	7/8	1210	11800
FEDERAL	209A	"HI-SKOR" 700-X	14.0	CB.	CB1078-20	7/8	1190	11400
FEDERAL	209A	"HI-SKOR" 700-X	14.5	REM.	RXP 20	7/8	1210	11500
FEDERAL	209A	"HI-SKOR" 700-X	14.0	FED.	20S1	7/8	1190	11900
REMINGTON	209P	"HI-SKOR" 700-X	14.5	WIN.	WAA20	7/8	1210	11200
REMINGTON	209P	"HI-SKOR" 700-X	14.5	WTW	WINDJAMMER	7/8	1205	11400
REMINGTON	209P	"HI-SKOR" 700-X	14.5	CB.	CB1078-20	7/8	1205	11300
REMINGTON	209P	"HI-SKOR" 700-X	15.0	REM.	RXP 20	7/8	1215	11100
REMINGTON	209P	"HI-SKOR" 700-X	14.5	FED.	20S1	7/8	1205	11600
WINCHESTER	209	"HI-SKOR" 700-X	14.5	WIN.	WAA20	7/8	1210	11200
WINCHESTER	209	"HI-SKOR" 700-X	14.5	WTW	WINDJAMMER	7/8	1205	11200
WINCHESTER	209	"HI-SKOR" 700-X	14.0	CB.	CB1078-20	7/8	1190	11000
WINCHESTER	209	"HI-SKOR" 700-X	14.5	REM.	RXP 20	7/8	1205	11000
WINCHESTER	209	"HI-SKOR" 700-X	14.5	FED.	20S1	7/8	1210	11800
FEDERAL	209A	PB	17.5	WIN.	WAA20	7/8	1200	9400
FEDERAL	209A	PB	17.5	WTW	WINDJAMMER	7/8	1200	9500
FEDERAL	209A	PB	17.0	CB.	CB1078-20	7/8	1195	9800
FEDERAL	209A	PB	17.5	REM.	RXP 20	7/8	1205	9300
FEDERAL	209A	PB	17.5	FED.	20S1	7/8	1210	10000

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

20 GAUGE 2 3/4 INCH 7/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 2 3/4" PLASTIC TARGET/HUNTING								
REMINGTON	209P	PB	17.5	WIN.	WAA20	7/8	1200	9300
REMINGTON	209P	PB	18.0	WTW	WINDJAMMER	7/8	1210	9500
REMINGTON	209P	PB	17.5	CB.	CB1078-20	7/8	1200	9300
REMINGTON	209P	PB	17.5	REM.	RXP 20	7/8	1200	8900
REMINGTON	209P	PB	17.5	FED.	20S1	7/8	1200	9400
WINCHESTER	209	PB	17.5	WIN.	WAA20	7/8	1200	9400
WINCHESTER	209	PB	17.5	WTW	WINDJAMMER	7/8	1195	9500
WINCHESTER	209	PB	17.5	CB.	CB1078-20	7/8	1200	9500
WINCHESTER	209	PB	18.0	REM.	RXP 20	7/8	1195	9000
WINCHESTER	209	PB	17.5	FED.	20S1	7/8	1210	10100
FEDERAL	209A	SR7625	18.5	WIN.	WAA20	7/8	1210	9200
FEDERAL	209A	SR7625	18.5	WTW	WINDJAMMER	7/8	1190	8600
FEDERAL	209A	SR7625	18.5	CB.	CB1078-20	7/8	1210	9500
FEDERAL	209A	SR7625	19.0	REM.	RXP 20	7/8	1210	8700
FEDERAL	209A	SR7625	18.5	FED.	20S1	7/8	1195	8700
REMINGTON	209P	SR7625	18.5	WIN.	WAA20	7/8	1195	8500
REMINGTON	209P	SR7625	19.0	WTW	WINDJAMMER	7/8	1200	8300
REMINGTON	209P	SR7625	18.5	CB.	CB1078-20	7/8	1195	8600
REMINGTON	209P	SR7625	19.5	REM.	RXP 20	7/8	1205	8300
REMINGTON	209P	SR7625	19.0	FED.	20S1	7/8	1200	8300
WINCHESTER	209	SR7625	18.5	WIN.	WAA20	7/8	1195	8400
WINCHESTER	209	SR7625	19.0	WTW	WINDJAMMER	7/8	1200	9100
WINCHESTER	209	SR7625	18.5	CB.	CB1078-20	7/8	1210	9000
WINCHESTER	209	SR7625	18.5	REM.	RXP 20	7/8	1195	8500
WINCHESTER	209	SR7625	18.5	FED.	20S1	7/8	1195	8600
FEDERAL	209A	"HI-SKOR" 800-X	17.5	WIN.	WAA20	7/8	1205	8000
FEDERAL	209A	"HI-SKOR" 800-X	17.5	WTW	WINDJAMMER	7/8	1205	8000
FEDERAL	209A	"HI-SKOR" 800-X	17.0	CB.	CB1078-20	7/8	1190	7800
FEDERAL	209A	"HI-SKOR" 800-X	17.5	REM.	RXP 20	7/8	1200	7600
FEDERAL	209A	"HI-SKOR" 800-X	17.0	FED.	20S1	7/8	1190	8200
REMINGTON	209P	"HI-SKOR" 800-X	17.5	WIN.	WAA20	7/8	1200	7600
REMINGTON	209P	"HI-SKOR" 800-X	17.0	WTW	WINDJAMMER	7/8	1195	7300
REMINGTON	209P	"HI-SKOR" 800-X	17.5	CB.	CB1078-20	7/8	1205	7900
REMINGTON	209P	"HI-SKOR" 800-X	18.0	REM.	RXP 20	7/8	1210	7600
REMINGTON	209P	"HI-SKOR" 800-X	17.5	FED.	20S1	7/8	1195	7900
WINCHESTER	209	"HI-SKOR" 800-X	17.5	WIN.	WAA20	7/8	1210	8100
WINCHESTER	209	"HI-SKOR" 800-X	17.5	WTW	WINDJAMMER	7/8	1200	8000
WINCHESTER	209	"HI-SKOR" 800-X	17.0	CB.	CB1078-20	7/8	1195	8100
WINCHESTER	209	"HI-SKOR" 800-X	17.5	REM.	RXP 20	7/8	1210	8000
WINCHESTER	209	"HI-SKOR" 800-X	17.5	FED.	20S1	7/8	1200	8300
FEDERAL	209A	SR4756	20.5	WIN.	WAA20F1	7/8	1205	8500
FEDERAL	209A	SR4756	20.5	WTW	WINDJAMMER	7/8	1210	8700
FEDERAL	209A	SR4756	21.0	REM.	RXP 20	7/8	1200	7800
FEDERAL	209A	SR4756	20.5	FED.	20S1	7/8	1210	8700
REMINGTON	209P	SR4756	21.5	WIN.	WAA20F1	7/8	1200	7900
REMINGTON	209P	SR4756	21.5	WTW	WINDJAMMER	7/8	1200	7900
REMINGTON	209P	SR4756	21.5	REM.	RXP 20	7/8	1180	7000
REMINGTON	209P	SR4756	21.5	FED.	20S1	7/8	1205	7600
WINCHESTER	209	SR4756	20.5	WIN.	WAA20F1	7/8	1195	8200
WINCHESTER	209	SR4756	20.5	WTW	WINDJAMMER	7/8	1195	8300
WINCHESTER	209	SR4756	21.0	REM.	RXP 20	7/8	1205	7900
WINCHESTER	209	SR4756	20.5	FED.	20S1	7/8	1205	8500
SHELL: REMINGTON PREMIER (RTL)								
FEDERAL	209A	PB	15.5	WTW	WINDJAMMER	7/8	1185	11900
FEDERAL	209A	PB	16.0	REM.	RXP 20	7/8	1195	11600
FEDERAL	209A	PB	15.0	REM.	20S1	7/8	1160	11900
FEDERAL	209A	PB	16.0	WIN.	WAA20F1	7/8	1210	11900

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

20 GAUGE 2³/₄ INCH 7/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)								
REMINGTON	209P	PB	16.0	WTW	WINDJAMMER	7/8	1210	11700
REMINGTON	209P	PB	16.0	CB.	CB1078-20	7/8	1195	11800
REMINGTON	209P	PB	16.0	REM.	RXP 20	7/8	1195	11000
REMINGTON	209P	PB	15.5	FED.	20S1	7/8	1185	11800
REMINGTON	209P	PB	16.0	WIN.	WAA20F1	7/8	1195	11400
WINCHESTER	209	PB	16.0	WTW	WINDJAMMER	7/8	1200	11700
WINCHESTER	209	PB	16.0	CB.	CB1078-20	7/8	1195	11700
WINCHESTER	209	PB	16.0	REM.	RXP 20	7/8	1190	11100
WINCHESTER	209	PB	16.0	WIN.	WAA20F1	7/8	1190	11100
FEDERAL	209A	SR7625	16.5	WIN.	WAA20	7/8	1205	12000
FEDERAL	209A	SR7625	16.5	WTW	WINDJAMMER	7/8	1200	11400
FEDERAL	209A	SR7625	16.5	CB.	CB1078-20	7/8	1195	11400
FEDERAL	209A	SR7625	17.0	REM.	RXP 20	7/8	1210	11000
FEDERAL	209A	SR7625	16.5	FED.	20S1	7/8	1190	12000
REMINGTON	209P	SR7625	17.0	WIN.	WAA20	7/8	1205	11000
REMINGTON	209P	SR7625	17.0	WTW	WINDJAMMER	7/8	1210	11000
REMINGTON	209P	SR7625	17.0	CB.	CB1078-20	7/8	1205	11000
REMINGTON	209P	SR7625	17.0	REM.	RXP 20	7/8	1190	10100
REMINGTON	209P	SR7625	17.0	FED.	20S1	7/8	1195	11100
WINCHESTER	209	SR7625	17.0	WIN.	WAA20	7/8	1200	10900
WINCHESTER	209	SR7625	17.0	WTW	WINDJAMMER	7/8	1200	10800
WINCHESTER	209	SR7625	17.0	CB.	CB1078-20	7/8	1205	11100
WINCHESTER	209	SR7625	17.0	REM.	RXP 20	7/8	1195	10300
WINCHESTER	209	SR7625	17.0	FED.	20S1	7/8	1210	11800
FEDERAL	209A	"HI-SKOR" 800-X	16.0	WIN.	WAA20	7/8	1195	9300
FEDERAL	209A	"HI-SKOR" 800-X	16.0	WTW	WINDJAMMER	7/8	1200	9500
FEDERAL	209A	"HI-SKOR" 800-X	16.0	CB.	CB1078-20	7/8	1215	9900
FEDERAL	209A	"HI-SKOR" 800-X	16.0	REM.	RXP 20	7/8	1190	9100
FEDERAL	209A	"HI-SKOR" 800-X	16.0	FED.	20S1	7/8	1210	10000
REMINGTON	209P	"HI-SKOR" 800-X	16.5	WIN.	WAA20	7/8	1205	9100
REMINGTON	209P	"HI-SKOR" 800-X	16.5	WTW	WINDJAMMER	7/8	1210	9500
REMINGTON	209P	"HI-SKOR" 800-X	16.0	CB.	CB1078-20	7/8	1205	9500
REMINGTON	209P	"HI-SKOR" 800-X	16.5	REM.	RXP 20	7/8	1200	9100
REMINGTON	209P	"HI-SKOR" 800-X	16.0	FED.	20S1	7/8	1195	9600
WINCHESTER	209	"HI-SKOR" 800-X	16.0	WIN.	WAA20	7/8	1190	9300
WINCHESTER	209	"HI-SKOR" 800-X	16.0	WTW	WINDJAMMER	7/8	1190	9500
WINCHESTER	209	"HI-SKOR" 800-X	16.0	CB.	CB1078-20	7/8	1205	9600
WINCHESTER	209	"HI-SKOR" 800-X	16.5	REM.	RXP 20	7/8	1210	9500
WINCHESTER	209	"HI-SKOR" 800-X	16.0	FED.	20S1	7/8	1200	9600
FEDERAL	209A	SR4756	17.5	WIN.	WAA20F1	7/8	1190	10200
FEDERAL	209A	SR4756	17.5	REM	SP20	7/8	1195	10600
REMINGTON	209P	SR4756	18.5	WIN.	WAA20F1	7/8	1195	9500
REMINGTON	209P	SR4756	18.5	REM	SP20	7/8	1205	10200
WINCHESTER	209	SR4756	19.0	WIN.	WAA20F1	7/8	1205	9600
WINCHESTER	209	SR4756	18.5	REM	SP20	7/8	1205	10300
SHELL: WINCHESTER AA								
REMINGTON	209P	"HI-SKOR" 700-X	13.0	REM.	RXP 20	7/8	1160	11800
FEDERAL	209A	PB	15.5	WIN.	WAA20	7/8	1180	11700
FEDERAL	209A	PB	15.5	WTW	WINDJAMMER	7/8	1185	11900
FEDERAL	209A	PB	16.0	REM.	RXP 20	7/8	1205	11900
FEDERAL	209A	PB	15.0	FED.	20S1	7/8	1160	11900
REMINGTON	209P	PB	16.0	WIN.	WAA20	7/8	1200	11600
REMINGTON	209P	PB	16.0	WTW	WINDJAMMER	7/8	1200	11300
REMINGTON	209P	PB	16.0	CB.	CB1078-20	7/8	1200	11900
REMINGTON	209P	PB	16.0	REM.	RXP 20	7/8	1195	10900
REMINGTON	209P	PB	15.5	FED.	20S1	7/8	1175	11600
WINCHESTER	209	PB	16.0	WIN.	WAA20	7/8	1195	11700
WINCHESTER	209	PB	16.5	WTW	WINDJAMMER	7/8	1200	11800
WINCHESTER	209	PB	16.0	REM.	RXP 20	7/8	1195	11400
WINCHESTER	209	PB	15.5	FED.	20S1	7/8	1175	11800

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. **DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

20 GAUGE 2 3/4 INCH 7/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER AA								
FEDERAL	209A	SR7625	16.5	WIN.	WAA20	7/8	1205	11700
FEDERAL	209A	SR7625	16.5	WTW	WINDJAMMER	7/8	1200	11900
FEDERAL	209A	SR7625	16.5	CB.	CB1078-20	7/8	1195	11700
FEDERAL	209A	SR7625	17.0	REM.	RXP 20	7/8	1200	10800
FEDERAL	209A	SR7625	16.5	FED.	20S1	7/8	1190	11700
REMINGTON	209P	SR7625	17.0	WIN.	WAA20	7/8	1200	10900
REMINGTON	209P	SR7625	17.5	WTW	WINDJAMMER	7/8	1210	10300
REMINGTON	209P	SR7625	17.0	CB.	CB1078-20	7/8	1210	11300
REMINGTON	209P	SR7625	17.0	REM.	RXP 20	7/8	1190	10100
REMINGTON	209P	SR7625	16.5	FED.	20S1	7/8	1185	11100
WINCHESTER	209	SR7625	17.0	WIN.	WAA20	7/8	1205	10600
WINCHESTER	209	SR7625	17.0	WTW	WINDJAMMER	7/8	1205	10900
WINCHESTER	209	SR7625	16.5	CB.	CB1078-20	7/8	1190	10800
WINCHESTER	209	SR7625	17.0	REM.	RXP 20	7/8	1210	10600
WINCHESTER	209	SR7625	16.5	FED.	20S1	7/8	1195	11700
FEDERAL	209A	"HI-SKOR" 800-X	16.5	WIN.	WAA20	7/8	1205	9400
FEDERAL	209A	"HI-SKOR" 800-X	16.5	WTW	WINDJAMMER	7/8	1215	10100
FEDERAL	209A	"HI-SKOR" 800-X	16.0	CB.	CB1078-20	7/8	1190	9400
FEDERAL	209A	"HI-SKOR" 800-X	16.5	REM.	RXP 20	7/8	1200	8800
FEDERAL	209A	"HI-SKOR" 800-X	16.0	FED.	20S1	7/8	1190	9700
REMINGTON	209P	"HI-SKOR" 800-X	16.5	WIN.	WAA20	7/8	1210	9300
REMINGTON	209P	"HI-SKOR" 800-X	16.5	WTW	WINDJAMMER	7/8	1190	8400
REMINGTON	209P	"HI-SKOR" 800-X	16.5	CB.	CB1078-20	7/8	1195	8400
REMINGTON	209P	"HI-SKOR" 800-X	16.5	REM.	RXP 20	7/8	1190	7500
REMINGTON	209P	"HI-SKOR" 800-X	16.5	FED.	20S1	7/8	1190	8200
WINCHESTER	209	"HI-SKOR" 800-X	16.5	WIN.	WAA20	7/8	1205	9900
WINCHESTER	209	"HI-SKOR" 800-X	16.5	WTW	WINDJAMMER	7/8	1200	10300
WINCHESTER	209	"HI-SKOR" 800-X	16.0	CB.	CB1078-20	7/8	1190	9600
WINCHESTER	209	"HI-SKOR" 800-X	16.5	REM.	RXP 20	7/8	1210	9400
WINCHESTER	209	"HI-SKOR" 800-X	16.0	FED.	20S1	7/8	1190	9600
FEDERAL	209A	SR4756	18.0	WIN.	WAA20F1	7/8	1190	10000
FEDERAL	209A	SR4756	18.5	WTW	WINDJAMMER	7/8	1185	10000
FEDERAL	209A	SR4756	18.0	CB.	CB1078-20	7/8	1195	10300
FEDERAL	209A	SR4756	18.5	REM.	SP20	7/8	1215	10700
FEDERAL	209A	SR4756	18.0	FED.	20S1	7/8	1190	10600
REMINGTON	209P	SR4756	18.5	WIN.	WAA20F1	7/8	1200	9800
REMINGTON	209P	SR4756	18.5	CB.	CB1078-20	7/8	1200	10000
REMINGTON	209P	SR4756	19.0	REM.	SP20	7/8	1210	9700
REMINGTON	209P	SR4756	18.5	FED.	20S1	7/8	1190	10100
WINCHESTER	209	SR4756	18.5	WIN.	WAA20F1	7/8	1200	9900
WINCHESTER	209	SR4756	18.5	WTW	WINDJAMMER	7/8	1195	9900
WINCHESTER	209	SR4756	18.0	CB.	CB1078-20	7/8	1180	9700
WINCHESTER	209	SR4756	18.5	REM.	SP20	7/8	1200	9900
WINCHESTER	209	SR4756	18.0	FED.	20S1	7/8	1205	10700

28 GAUGE 2 3/4 INCH 3/4 OUNCE LOADS

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC TARGET/HUNTING								
FEDERAL	209A	PB	13.0	WIN.	WAA28	3/4	1165	12400
FEDERAL	209A	PB	13.0	CB.	CB-1034-28	3/4	1165	12100
FEDERAL	209A	PB	13.0	REM.	PT28	3/4	1160	12300
REMINGTON	209P	PB	14.5	WIN.	WAA28	3/4	1205	11400
REMINGTON	209P	PB	14.5	PATCL.	PC-28	3/4	1200	11500
REMINGTON	209P	PB	14.5	REM.	PT28	3/4	1200	11700
REMINGTON	209P	PB	14.0	FED.	28S1	3/4	1190	12200

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

28 GAUGE 2³/₄ INCH 3/4 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC TARGET/HUNTING								
WINCHESTER	209	PB	14.5	WIN.	WAA28	3/4	1215	11900
WINCHESTER	209	PB	14.5	PATCL.	PC-28	3/4	1210	12000
WINCHESTER	209	PB	14.5	REM.	PT28	3/4	1205	12100
WINCHESTER	209	PB	14.0	FED.	28S1	3/4	1185	12500
FEDERAL	209A	SR7625	14.5	WIN.	WAA28	3/4	1215	12300
FEDERAL	209A	SR7625	14.0	PATCL.	PC-28	3/4	1195	11900
FEDERAL	209A	SR7625	14.0	CB.	CB-1034-28	3/4	1195	12000
FEDERAL	209A	SR7625	15.5	REM.	PT28	3/4	1195	11800
FEDERAL	209A	SR7625	14.0	FED.	28S1	3/4	1185	12000
REMINGTON	209P	SR7625	14.5	WIN.	WAA28	3/4	1185	10500
REMINGTON	209P	SR7625	15.0	PATCL.	PC-28	3/4	1205	10100
REMINGTON	209P	SR7625	15.0	REM.	PT28	3/4	1190	10200
REMINGTON	209P	SR7625	14.5	FED.	28S1	3/4	1190	10800
WINCHESTER	209	SR7625	14.5	WIN.	WAA28	3/4	1185	10800
WINCHESTER	209	SR7625	15.0	PATCL.	PC-28	3/4	1205	10900
WINCHESTER	209	SR7625	15.0	REM.	PT28	3/4	1200	11100
WINCHESTER	209	SR7625	15.0	FED.	28S1	3/4	1205	11200
FEDERAL	209A	"HI-SKOR" 800-X	13.5	WIN.	WAA28	3/4	1195	10100
FEDERAL	209A	"HI-SKOR" 800-X	13.5	PATCL.	PC-28	3/4	1215	10600
FEDERAL	209A	"HI-SKOR" 800-X	13.5	CB.	CB1034-28	3/4	1200	10000
FEDERAL	209A	"HI-SKOR" 800-X	13.5	REM.	PT28	3/4	1205	10700
FEDERAL	209A	"HI-SKOR" 800-X	13.5	FED.	28S1	3/4	1205	11000
REMINGTON	209P	"HI-SKOR" 800-X	14.5	WIN.	WAA28	3/4	1210	9500
REMINGTON	209P	"HI-SKOR" 800-X	14.0	PATCL.	PC-28	3/4	1200	9600
REMINGTON	209P	"HI-SKOR" 800-X	14.0	CB.	CB1034-28	3/4	1205	9800
REMINGTON	209P	"HI-SKOR" 800-X	14.0	REM.	PT28	3/4	1195	9900
REMINGTON	209P	"HI-SKOR" 800-X	14.0	FED.	28S1	3/4	1210	10400
WINCHESTER	209	"HI-SKOR" 800-X	14.0	WIN.	WAA28	3/4	1210	10000
WINCHESTER	209	"HI-SKOR" 800-X	13.5	PATCL.	PC-28	3/4	1190	9900
WINCHESTER	209	"HI-SKOR" 800-X	13.5	CB.	CB1034-28	3/4	1190	9800
WINCHESTER	209	"HI-SKOR" 800-X	13.5	REM.	PT28	3/4	1190	10100
WINCHESTER	209	"HI-SKOR" 800-X	13.5	FED.	28S1	3/4	1200	10500
FEDERAL	209A	SR4756	15.5	PATCL.	PC-28	3/4	1210	11400
FEDERAL	209A	SR4756	15.5	REM.	PT28	3/4	1200	11400
FEDERAL	209A	SR4756	15.5	FED.	28S1	3/4	1205	11900
REMINGTON	209P	SR4756	16.0	PATCL.	PC-28	3/4	1185	9600
REMINGTON	209P	SR4756	17.0	REM.	PT28	3/4	1170	10300
REMINGTON	209P	SR4756	16.5	FED.	28S1	3/4	1195	9800
WINCHESTER	209	SR4756	16.0	PATCL.	PC-28	3/4	1200	10300
WINCHESTER	209	SR4756	16.0	REM.	PT28	3/4	1190	10500
WINCHESTER	209	SR4756	16.0	FED.	28S1	3/4	1195	10600
SHELL: REMINGTON PREMIER (RTL)								
REMINGTON	209P	PB	13.5	WIN.	WAA28	3/4	1205	12300
REMINGTON	209P	PB	13.0	PATCL.	PC-28	3/4	1185	12100
REMINGTON	209P	PB	13.0	REM.	PT28	3/4	1175	12500
REMINGTON	209P	SR7625	14.0	WIN.	WAA28	3/4	1205	11800
REMINGTON	209P	SR7625	14.0	PATCL.	PC-28	3/4	1200	11700
REMINGTON	209P	SR7625	13.5	REM.	PT28	3/4	1190	12400
REMINGTON	209P	SR7625	13.5	FED.	28S1	3/4	1185	12400
WINCHESTER	209	SR7625	14.0	WIN.	WAA28	3/4	1210	12200
WINCHESTER	209	SR7625	14.0	PATCL.	PC-28	3/4	1210	12200
WINCHESTER	209	SR7625	14.0	REM.	PT28	3/4	1200	12500
FEDERAL	209A	"HI-SKOR" 800-X	13.0	WIN.	WAA28	3/4	1195	11000
FEDERAL	209A	"HI-SKOR" 800-X	13.0	PATCL.	PC-28	3/4	1210	11400
FEDERAL	209A	"HI-SKOR" 800-X	13.0	CB.	CB1034-28	3/4	1200	10800
FEDERAL	209A	"HI-SKOR" 800-X	13.0	REM.	PT28	3/4	1205	11400
FEDERAL	209A	"HI-SKOR" 800-X	13.0	FED.	28S1	3/4	1205	11700
REMINGTON	209P	"HI-SKOR" 800-X	13.5	WIN.	WAA28	3/4	1205	10300
REMINGTON	209P	"HI-SKOR" 800-X	13.0	PATCL.	PC-28	3/4	1190	10300
REMINGTON	209P	"HI-SKOR" 800-X	13.5	CB.	CB1034-28	3/4	1205	10300
REMINGTON	209P	"HI-SKOR" 800-X	13.5	REM.	PT28	3/4	1205	10700
REMINGTON	209P	"HI-SKOR" 800-X	13.5	FED.	28S1	3/4	1215	11600

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. **DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

28 GAUGE 2³/₄ INCH 3/4 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)								
WINCHESTER	209	"HI-SKOR" 800-X	13.0	WIN.	WAA28	3/4	1185	10400
WINCHESTER	209	"HI-SKOR" 800-X	13.0	PATCTL.	PC-28	3/4	1185	10300
WINCHESTER	209	"HI-SKOR" 800-X	13.5	CB.	CB1034-28	3/4	1215	10800
WINCHESTER	209	"HI-SKOR" 800-X	13.5	REM.	PT28	3/4	1210	11100
WINCHESTER	209	"HI-SKOR" 800-X	13.0	FED.	28S1	3/4	1195	11300
FEDERAL	209A	SR4756	14.5	PATCTL.	PC-28	3/4	1200	12200
FEDERAL	209A	SR4756	14.0	REM.	PT28	3/4	1185	12500
FEDERAL	209A	SR4756	14.0	FED.	28S1	3/4	1175	12300
REMINGTON	209P	SR4756	15.0	PATCTL.	PC-28	3/4	1165	9900
REMINGTON	209P	SR4756	14.0	FED.	28S1	3/4	1140	10300
WINCHESTER	209	SR4756	15.0	PATCTL.	PC-28	3/4	1200	11200
WINCHESTER	209	SR4756	14.0	REM.	PT28	3/4	1155	11000
WINCHESTER	209	SR4756	14.0	FED.	28S1	3/4	1160	11500
SHELL: WINCHESTER COMPRESSION FORMED "DOUBLE-A" & "SUPER-X"								
REMINGTON	209P	SR7625	14.0	WIN.	WAA28	3/4	1205	12300
REMINGTON	209P	SR7625	13.5	PATCTL.	PC-28	3/4	1170	12000
REMINGTON	209P	SR7625	14.0	CB.	CB1034-28	3/4	1190	12300
REMINGTON	209P	SR7625	13.5	FED.	28S1	3/4	1170	12400
FEDERAL	209A	"HI-SKOR" 800-X	12.5	WIN.	WAA28	3/4	1185	11600
FEDERAL	209A	"HI-SKOR" 800-X	13.0	PATCTL.	PC-28	3/4	1210	12300
FEDERAL	209A	"HI-SKOR" 800-X	12.5	CB.	CB1034-28	3/4	1185	11700
FEDERAL	209A	"HI-SKOR" 800-X	12.0	FED.	28S1	3/4	1150	12000
REMINGTON	209P	"HI-SKOR" 800-X	14.0	WIN.	WAA28	3/4	1200	9700
REMINGTON	209P	"HI-SKOR" 800-X	13.0	PATCTL.	PC-28	3/4	1200	11400
REMINGTON	209P	"HI-SKOR" 800-X	13.5	CB.	CB1034-28	3/4	1200	10200
REMINGTON	209P	"HI-SKOR" 800-X	13.5	FED.	28S1	3/4	1205	11500
WINCHESTER	209	"HI-SKOR" 800-X	13.0	WIN.	WAA28	3/4	1195	11400
WINCHESTER	209	"HI-SKOR" 800-X	13.0	PATCTL.	PC-28	3/4	1205	12000
WINCHESTER	209	"HI-SKOR" 800-X	13.0	CB.	CB1034-28	3/4	1190	11200
WINCHESTER	209	"HI-SKOR" 800-X	12.5	FED.	28S1	3/4	1175	12200
REMINGTON	209P	SR4756	14.0	WIN.	WAA28	3/4	1150	11500
REMINGTON	209P	SR4756	14.5	PATCTL.	PC-28	3/4	1185	12200
REMINGTON	209P	SR4756	14.0	CB.	CB1034-28	3/4	1165	12000
WINCHESTER	209	SR4756	14.0	WIN.	WAA28	3/4	1150	11400
WINCHESTER	209	SR4756	14.5	PATCTL.	PC-28	3/4	1190	12000
WINCHESTER	209	SR4756	14.0	CB.	CB1034-28	3/4	1170	12200
WINCHESTER	209	SR4756	14.0	FED.	28S1	3/4	1155	12500

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

.410 BORE 2½ INCH ½ OUNCE LOADS

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 2 1/2" PLASTIC TARGET/HUNTING								
FEDERAL	209A	IMR4227	17.0	TRICO	NO.4*	1/2	1165	12000
FEDERAL	209A	IMR4227	17.0	PATCTL.	PC-410	1/2	1170	12500
FEDERAL	209A	IMR4227	17.0	REM.	SP410	1/2	1155	12000
FEDERAL	209A	IMR4227	17.5	CB.	CB1050-41	1/2	1190	12200
FEDERAL	209A	IMR4227	17.5	FED.	410SC	1/2	1195	12200
REMINGTON	209P	IMR4227	18.5	REM.	SP410	1/2	1180	10700
WINCHESTER	209	IMR4227	18.0	TRICO	NO.4*	1/2	1170	11400
WINCHESTER	209	IMR4227	18.5	PATCTL.	PC-410	1/2	1215	11800
WINCHESTER	209	IMR4227	18.0	REM.	SP410	1/2	1200	12000
WINCHESTER	209	IMR4227	18.0	CB.	CB1050-41	1/2	1165	11300
SHELL: REMINGTON 2 1/2" EXPRESS								
FEDERAL	209A	IMR4227	17.0	TRICO	NO.4*	1/2	1160	11900
FEDERAL	209A	IMR4227	17.5	PATCTL.	PC-410	1/2	1195	12500
FEDERAL	209A	IMR4227	18.0	CB.	CB1050-41	1/2	1210	12500
FEDERAL	209A	IMR4227	17.5	FED.	410SC	1/2	1195	12400
WINCHESTER	209	IMR4227	17.5	PATCTL.	PC-410	1/2	1160	11200
WINCHESTER	209	IMR4227	18.0	CB.	CB1050-41	1/2	1160	11000
SHELL: WINCHESTER COMPRESSION FORMED "DOUBLE-A" & "SUPER-X"								
REMINGTON	209P	IMR4227	17.0	TRICO	NO.4*	1/2	1145	11600
WINCHESTER	209	IMR4227	17.0	TRICO	NO.4*	1/2	1160	12400
WINCHESTER	209	IMR4227	16.5	PATCTL.	PC-410	1/2	1140	12300

SHOT SHELL FIELD

10 GAUGE 3½ INCH RELOADING DATA

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 3 1/2" MAGNUM PAPER BASEWAD								
FEDERAL	209A	"HI-SKOR" 800-X	29.0	REM	SP10+(2) 20GA 0.125" CARDS	2 1/4	1085	10700
FEDERAL	209A	SR4756	33.0	REM	SP10	2 1/4	1065	10600
FEDERAL	209A	"HI-SKOR" 800-X	32.0	REM	SP10+(4) 20GA 0.125" CARDS	2	1180	10900
FEDERAL	209A	SR4756	37.0	REM	SP10+(2) 20GA 0.125" CARDS	2	1175	10800
REMINGTON	209PSTS	SR4756	41.5	REM	SP10+(2) 20GA 0.125" CARDS	2	1230	10800
SHELL: REMINGTON 3 1/2" NITRO MAGNUM PLASTIC BASEWAD								
REMINGTON	209PSTS	"HI-SKOR" 800-X	28.0	REM	SP10+(3) 20GA 0.125" CARDS	2 1/4	1055	10800
REMINGTON	209PSTS	SR4756	34.5	REM	SP10	2 1/4	1095	10900
REMINGTON	209PSTS	SR7625	32.5	REM	SP10+(3) 20GA 0.125" CARDS	2	1115	10800
REMINGTON	209PSTS	"HI-SKOR" 800-X	30.0	REM	SP10+(4) 20GA 0.125" CARDS	2	1145	10900
REMINGTON	209PSTS	SR4756	39.5	REM	SP10+(2) 20GA 0.125" CARDS	2	1210	10800
SHELL: WINCHESTER 3 1/2" SUPER MAGNUM PLASTIC BASEWAD								
WINCHESTER	209	"HI-SKOR" 800-X	32.0	REM	SP10	2 1/4	1135	10900
WINCHESTER	209	SR4756	37.0	REM	SP10	2 1/4	1130	11000
WINCHESTER	209	"HI-SKOR" 800-X	35.0	REM	SP10+(2) 20GA 0.125" CARDS	2	1230	10800
WINCHESTER	209	SR4756	42.0	REM	SP10+(1) 20GA 0.125" CARD	2	1245	10700

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. **DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.**

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE BUCKSHOT RELOADING DATA

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	BP SDC BUFFER DESIGNATION (GRAINS)	BUCKSHOT NO. OF PELLETS	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 2 3/4" PLASTIC GOLD MEDAL								
FEDERAL	209A	"HI-SKOR" 700-X	17.5	FED	12S3	20	8 00	1230 10900
FEDERAL	209A	PB	25.0	FED	12S4	20	8 00	1340 10900
FEDERAL	209A	SR7625	30.0	FED	12S4	20	8 00	1410 10800
FEDERAL	209A	"HI-SKOR" 800-X	29.0	FED	12S4	20	8 00	1465 10800
FEDERAL	209A	SR4756	37.0	WIN	WAA12R	18	8 00	1545 10900
SHELL: REMINGTON 2 3/4" NITRO 27								
REMINGTON	209PSTS	"HI-SKOR" 700-X	17.5	REM	FIG8	20	8 00	1225 10700
FEDERAL	209A	"HI-SKOR" 700-X	17.0	REM	FIG8	20	8 00	1210 10800
REMINGTON	209PSTS	PB	25.0	REM	SP12	20	8 00	1340 10600
REMINGTON	209PSTS	SR7625	30.5	REM	SP12	20	8 00	1425 10800
FEDERAL	209A	SR7625	27.0	REM	SP12	20	8 00	1360 10800
REMINGTON	209PSTS	"HI-SKOR" 800-X	30.0	REM	SP12	20	8 00	1475 10900
REMINGTON	209PSTS	SR4756	37.0	WIN	WAA12R	18	8 00	1545 11000
SHELL: WINCHESTER 2 3/4" AA								
WINCHESTER	209	"HI-SKOR" 700-X	18.0	WIN	WAA12R	20	8 00	1245 10800
WINCHESTER	209	PB	27.5	WIN	WAA12R	20	8 00	1410 10800
WINCHESTER	209	SR7625	33.0	WIN	WAA12R	20	8 00	1495 10600
FEDERAL	209A	SR7625	29.5	WIN	WAA12R	20	8 00	1430 11000
WINCHESTER	209	"HI-SKOR" 800-X	32.0	WIN	WAA12R	20	8 00	1545 10700
WINCHESTER	209	SR4756	39.5	WIN	WAA12R	18	8 00	1595 10800

12 GAUGE FIELD RELOADING DATA

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 2 3/4" PLASTIC GOLD MEDAL							
FEDERAL	209A	"HI-SKOR" 700-X	18.0	FED.	12S4	1 1/4	1165 11500
FEDERAL	209A	"HI-SKOR" 700-X	20.0	WINJ.	WINDJAMMER	1 1/4	1230 11300
FEDERAL	209A	"HI-SKOR" 700-X	19.0	REM.	FIG8	1 1/4	1200 11300
FEDERAL	209A	"HI-SKOR" 700-X	18.0	WIN.	WAA12	1 1/4	1180 11500
REMINGTON	209P	"HI-SKOR" 700-X	19.5	FED.	12S3	1 1/4	1205 11500
REMINGTON	209P	"HI-SKOR" 700-X	21.0	WINJ.	WINDJAMMER	1 1/4	1260 11500
REMINGTON	209P	"HI-SKOR" 700-X	21.0	REM.	FIG8	1 1/4	1255 11500
REMINGTON	209P	"HI-SKOR" 700-X	19.5	WIN.	WAA12	1 1/4	1215 11400
WINCHESTER	209	"HI-SKOR" 700-X	19.0	FED.	12S3	1 1/4	1195 11500
WINCHESTER	209	"HI-SKOR" 700-X	21.0	WINJ.	WINDJAMMER	1 1/4	1250 11500
WINCHESTER	209	"HI-SKOR" 700-X	19.5	REM.	FIG8	1 1/4	1210 11100
WINCHESTER	209	"HI-SKOR" 700-X	19.0	WIN.	WAA12	1 1/4	1200 11500
FEDERAL	209A	PB	23.5	FED.	12S4	1 1/4	1225 10500
FEDERAL	209A	PB	25.0	FED.	12S4	1 1/4	1270 11300
FEDERAL	209A	PB	25.5	REM.	FIG8	1 1/4	1270 10500
FEDERAL	209A	PB	27.0	REM.	FIG8	1 1/4	1315 11500
FEDERAL	209A	PB	25.5	CLAYB.	CB3118-12AR	1 1/4	1275 11100
FEDERAL	209A	PB	26.0	CLAYB.	CB3118-12AR	1 1/4	1295 11500
REMINGTON	209P	PB	26.5	FED.	12S4	1 1/4	1295 10000
REMINGTON	209P	PB	28.0	FED.	12S4	1 1/4	1325 11100
REMINGTON	209P	PB	27.5	REM.	SP12	1 1/4	1270 9200
REMINGTON	209P	PB	29.0	REM.	SP12	1 1/4	1330 10500
REMINGTON	209P	PB	26.5	CLAYB.	CB3118-12AR	1 1/4	1275 9600
REMINGTON	209P	PB	28.0	CLAYB.	CB3118-12AR	1 1/4	1305 10200
WINCHESTER	209	PB	26.0	FED.	12S4	1 1/4	1275 10800
WINCHESTER	209	PB	27.5	FED.	12S4	1 1/4	1320 11500
WINCHESTER	209	PB	26.5	REM.	SP12	1 1/4	1280 9800
WINCHESTER	209	PB	28.0	REM.	SP12	1 1/4	1320 10600
WINCHESTER	209	PB	26.5	CLAYB.	CB3118-12AR	1 1/4	1270 10000
WINCHESTER	209	PB	28.0	CLAYB.	CB3118-12AR	1 1/4	1330 11400

12 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 2 3/4" PLASTIC GOLD MEDAL								
FEDERAL	209A	SR7625	27.0	FED.	12S3	1 1/4	1270	10100
FEDERAL	209A	SR7625	29.0	FED.	12S3	1 1/4	1325	11000
FEDERAL	209A	SR2725	27.0	WIN.	WAA12	1 1/4	1275	10100
FEDERAL	209A	SR7625	28.5	WIN.	WAA12	1 1/4	1330	11400
FEDERAL	209A	SR7625	27.0	REM.	SP12	1 1/4	1280	10000
FEDERAL	209A	SR7625	28.5	REM.	SP12	1 1/4	1330	11000
FEDERAL	209A	SR7625	26.5	CLAYB.	CB3118-12AR	1 1/4	1270	10100
FEDERAL	209A	SR7625	28.0	CLAYB.	CB3118-12AR	1 1/4	1320	10800
REMINGTON	209P	SR7625	28.0	FED.	12S3	1 1/4	1270	8900
REMINGTON	209P	SR7625	30.0	FED.	12S3	1 1/4	1330	9700
REMINGTON	209P	SR7625	29.0	DINJ.	WINDJAMMER	1 1/4	1280	8300
REMINGTON	209P	SR7625	30.5	WINJ.	WINDJAMMER	1 1/4	1325	9000
REMINGTON	209P	SR7625	29.0	REM.	SP12	1 1/4	1270	8200
REMINGTON	209P	SR7625	30.5	REM.	SP12	1 1/4	1315	8900
WINCHESTER	209	SR7625	28.0	FED.	12S3	1 1/4	1270	9200
WINCHESTER	209	SR7625	30.0	FED.	12S3	1 1/4	1330	10300
WINCHESTER	209	SR7625	28.5	WINJ.	WINDJAMMER	1 1/4	1270	8300
WINCHESTER	209	SR7625	30.0	WINJ.	WINDJAMMER	1 1/4	1315	9000
WINCHESTER	209	SR7625	28.0	WIN.	WAA12	1 1/4	1270	9100
WINCHESTER	209	SR7625	29.5	WIN.	WAA12	1 1/4	1325	10200
FEDERAL	209A	SR4756	30.0	FED.	12S4	1 1/4	1285	9700
FEDERAL	209A	SR4756	31.5	FED.	12S4	1 1/4	1330	10400
FEDERAL	209A	SR4756	30.5	WIN.	WAA12R	1 1/4	1285	8900
FEDERAL	209A	SR4756	31.5	WIN.	WAA12R	1 1/4	1325	9700
FEDERAL	209A	SR4756	30.0	REM.	SP12	1 1/4	1270	9000
FEDERAL	209A	SR4756	31.5	REM.	SP12	1 1/4	1325	9800
REMINGTON	209P	SR4756	31.5	FED.	12S4	1 1/4	1220	7100
REMINGTON	209P	SR4756	33.0	FED.	12S4	1 1/4	1265	7600
REMINGTON	209P	SR4756	33.0	WIN.	WAA12R	1 1/4	1285	8000
REMINGTON	209P	SR4756	34.0	WIN.	WAA12R	1 1/4	1325	8900
REMINGTON	209P	SR4756	33.0	REM.	SP12	1 1/4	1315	7400
REMINGTON	209P	SR4756	35.0	REM.	SP12	1 1/4	1335	8300
WINCHESTER	209	SR4756	31.0	FED.	12S4	1 1/4	1280	9100
WINCHESTER	209	SR4756	32.0	FED.	12S4	1 1/4	1325	9800
WINCHESTER	209	SR4756	30.5	WIN.	WAA12R	1 1/4	1275	8400
WINCHESTER	209	SR4756	32.0	WIN.	WAA12R	1 1/4	1315	8900
WINCHESTER	209	SR4756	32.0	REM.	RP12	1 1/4	1290	8800
WINCHESTER	209	SR4756	33.0	REM.	RP12	1 1/4	1330	9400
FEDERAL	209A	"HI-SKOR" 800-X	25.0	FED.	12S4	1 1/4	1280	9500
FEDERAL	209A	"HI-SKOR" 800-X	26.5	FED.	12S4	1 1/4	1335	10400
FEDERAL	209A	"HI-SKOR" 800-X	26.0	WIN.	WAA12	1 1/4	1285	9200
FEDERAL	209A	"HI-SKOR" 800-X	27.5	WIN.	WAA12	1 1/4	1335	10100
FEDERAL	209A	"HI-SKOR" 800-X	25.5	REM.	SP12	1 1/4	1280	9100
FEDERAL	209A	"HI-SKOR" 800-X	27.0	REM.	SP12	1 1/4	1335	9900
FEDERAL	209A	"HI-SKOR" 800-X	26.0	CLAYB.	CB3118-12AR	1 1/4	1280	8900
FEDERAL	209A	"HI-SKOR" 800-X	27.5	CLAYB.	CB3118-12AR	1 1/4	1335	9800
REMINGTON	209P	"HI-SKOR" 800-X	26.5	FED.	12S4	1 1/4	1285	8900
REMINGTON	209P	"HI-SKOR" 800-X	28.0	FED.	12S4	1 1/4	1335	9700
REMINGTON	209P	"HI-SKOR" 800-X	27.0	WIN.	WAA12	1 1/4	1275	7900
REMINGTON	209P	"HI-SKOR" 800-X	28.5	WIN.	WAA12	1 1/4	1335	9000
REMINGTON	209P	"HI-SKOR" 800-X	27.0	REM.	SP12	1 1/4	1270	7700
REMINGTON	209P	"HI-SKOR" 800-X	29.0	REM.	SP12	1 1/4	1335	8500
REMINGTON	209P	"HI-SKOR" 800-X	27.0	CLAYB.	CB3118-12AR	1 1/4	1275	7700
REMINGTON	209P	"HI-SKOR" 800-X	29.0	CLAYB.	CB3118-12AR	1 1/4	1330	8500
WINCHESTER	209	"HI-SKOR" 800-X	26.0	FED.	12S3	1 1/4	1280	8800
WINCHESTER	209	"HI-SKOR" 800-X	27.5	FED.	12S3	1 1/4	1330	9700
WINCHESTER	209	"HI-SKOR" 800-X	25.5	WIN.	WAA12	1 1/4	1265	8600
WINCHESTER	209	"HI-SKOR" 800-X	27.5	WIN.	WAA12	1 1/4	1330	9600
WINCHESTER	209	"HI-SKOR" 800-X	26.0	REM.	SP12	1 1/4	1275	8200
WINCHESTER	209	"HI-SKOR" 800-X	27.5	REM.	SP12	1 1/4	1330	9100
WINCHESTER	209	"HI-SKOR" 800-X	26.0	CLAYB.	CB3118-12AR	1 1/4	1270	8100
WINCHESTER	209	"HI-SKOR" 800-X	28.0	CLAYB.	CB3118-12AR	1 1/4	1335	9300

12 GAUGE FIELD RELOADING DATA (Cont'd)

MFR.	PRIMER NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 2 3/4" PLASTIC GOLD MEDAL								
FEDERAL	209A	PB	22.5	WIN.	WAA12R	1 3/8	1170	10800
FEDERAL	209A	PB	22.5	REM.	SP12	1 3/8	1160	10900
REMINGTON	209P	PB	26.5	WIN.	WAA12R	1 3/8	1255	11000
REMINGTON	209P	PB	24.5	REM.	SP12	1 3/8	1205	11000
WINCHESTER	209	PB	24.0	WIN.	WAA12R	1 3/8	1200	11000
WINCHESTER	209	PB	23.5	REM.	SP12	1 3/8	1185	11100
FEDERAL	209A	SR7625	26.0	WIN.	WAA12R	1 3/8	1210	11000
FEDERAL	209A	SR7625	25.0	REM.	SP12	1 3/8	1180	11200
REMINGTON	209P	SR7625	28.5	WIN.	WAA12R	1 3/8	1255	11000
REMINGTON	209P	SR7625	28.0	REM.	RP12	1 3/8	1240	11100
WINCHESTER	209	SR7625	27.0	WIN.	WAA12R	1 3/8	1225	11000
WINCHESTER	209	SR7625	26.5	REM.	SP12	13/8	1210	11200
FEDERAL	209A	"HI-SKOR" 800-X	26.0	WIN.	WAA12R	1 3/8	1280	11000
FEDERAL	209A	"HI-SKOR" 800-X	26.5	REM.	SP12	1 3/8	1285	11000
FEDERAL	209A	"HI-SKOR" 800-X	25.0	FED.	12S4	1 3/8	1240	10900
REMINGTON	209P	"HI-SKOR" 800-X	30.5	WIN.	WAA12R	1 3/8	1375	11000
REMINGTON	209P	"HI-SKOR" 800-X	32.0	REM.	SP12	1 3/8	1390	11000
REMINGTON	209P	"HI-SKOR" 800-X	27.0	FED.	12S4	1 3/8	1260	9700
WINCHESTER	209	"HI-SKOR" 800-X	27.5	WIN.	WAA12R	1 3/8	1310	11000
WINCHESTER	209	"HI-SKOR" 800-X	29.0	REM.	SP12	1 3/8	1335	10900
WINCHESTER	209	"HI-SKOR" 800-X	26.0	FED.	12S4	1 3/8	1270	11000
FEDERAL	209A	SR4756	31.5	WIN.	WAA12R	1 3/8	1305	11000
FEDERAL	209A	SR4756	30.0	REM.	RP12	1 3/8	1265	10900
REMINGTON	209P	SR4756	35.0	WIN.	WA12R	1 3/8	1365	10500
REMINGTON	209P	SR4756	34.5	REM.	RP12	1 3/8	1350	10900
WINCHESTER	209	SR4756	34.0	WIN.	WAA12R	1 3/8	1335	11000
WINCHESTER	209	SR4756	33.0	REM.	RP12	1 3/8	1320	11200
FEDERAL	209A	SR7625	25.0	REM.	RP12	1 1/2	1140	11400
FEDERAL	209A	SR7625	25.5	WIN.	WAA12R	1 1/2	1150	11200
REMINGTON	209P	SR7625	27.5	REM.	RP12	1 1/2	1185	11100
REMINGTON	209P	SR7625	28.0	WIN.	WAA12R	1 1/2	1170	11000
WINCHESTER	209	SR7625	25.5	REM.	RP12	1 1/2	1140	11000
WINCHESTER	209	SR7625	26.5	WIN.	WAA12R	1 1/2	1160	11000
FEDERAL	209A	"HI-SKOR" 800-X	26.5	REM.	SP12	1 1/2	1220	11000
FEDERAL	209A	"HI-SKOR" 800-X	26.0	WIN.	WAA12R	1 1/2	1215	11200
FEDERAL	209A	"HI-SKOR" 800-X	24.5	FED.	12S4	1 1/2	1180	11200
REMINGTON	209P	"HI-SKOR" 800-X	28.5	REM.	RP12	1 1/2	1265	11000
REMINGTON	209P	"HI-SKOR" 800-X	26.0	RED.	12S4	1 1/2	1190	10400
WINCHESTER	209	"HI-SKOR" 800-X	27.0	REM.	SP12	1 1/2	1225	11100
WINCHESTER	209	"HI-SKOR" 800-X	27.0	WIN.	WAA12R	1 1/2	1245	11000
WINCHESTER	209	"HI-SKOR" 800-X	25.0	FED.	12S4	1 1/2	1170	11000
FEDERAL	209A	SR4756	27.5	REM.	RP12	1 1/2	1160	11000
FEDERAL	209A	SR4756	28.0	WIN.	WAA12R	1 1/2	1175	11100
REMINGTON	209P	SR4756	30.5	REM.	RP12	1 1/2	1220	11100
REMINGTON	209P	SR4756	30.0	WIN.	WAA12R	1 1/2	1165	9000
WINCHESTER	209	SR4756	28.5	REM.	RP12	1 1/2	1175	11000
WINCHESTER	209	SR4756	30.0	WIN.	WAA12R	1 1/2	1205	10800

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 3" PLASTIC HUNTING CASE PAPER BASEWAD								
FEDERAL	209A	"HI-SKOR" 800-X	29.0	REM. FED.	R12H 12S4	1 1/2	1270	10700
FEDERAL	209A	"HI-SKOR" 800-X	27.5			1 1/2	1230	10800
REMINGTON	209P	"HI-SKOR" 800-X	33.0	REM. FED.	R12H 12S4	1 1/2	1335	10600
REMINGTON	209P	"HI-SKOR" 800-X	31.0			1 1/2	1290	10600
WINCHESTER	209	"HI-SKOR" 800-X	30.0	REM. FED.	R12H 12S4	1 1/2	1290	10500
WINCHESTER	209	"HI-SKOR" 800-X	29.0			1 1/2	1260	10600
FEDERAL	209A	SR4756	33.0	WIN. REM.	WAA12R RP12	1 1/2	1255	10700
FEDERAL	209A	SR4756	33.5			1 1/2	1285	10800
REMINGTON	209P	SR4756	37.0	WIN. REM.	WAA12R RP12	1 1/2	1305	9600
REMINGTON	209P	SR4756	37.0			1 1/2	1295	9100
WINCHESTER	209	SR4756	37.0	WIN. REM.	WAA12R RP12	1 1/2	1315	10400
WINCHESTER	209	SR4756	37.0			1 1/2	1305	9900
FEDERAL	209A	"HI-SKOR" 800-X	26.0	WIN. REM.	WAA12R SP12	1 5/8	1175	10800
FEDERAL	209A	"HI-SKOR" 800-X	26.0			1 5/8	1175	10800
REMINGTON	209PSTS	"HI-SKOR" 800-X	27.5	WIN. REM.	WAA12R SP12	1 5/8	1200	10900
REMINGTON	209PSTS	"HI-SKOR" 800-X	28.0			1 5/8	1200	10800
WINCHESTER	209	"HI-SKOR" 800-X	28.5	WIN. REM.	WAA12R SP12	1 5/8	1230	11000
WINCHESTER	209	"HI-SKOR" 800-X	29.0			1 5/8	1230	10900
FEDERAL	209A	SR4756	31.0	WIN. REM.	WAA12R RP12	1 5/8	1185	10800
FEDERAL	209A	SR4756	31.0			1 5/8	1185	11000
REMINGTON	209PSTS	SR4756	35.5	WIN. REM.	WAA12R RP12	1 5/8	1250	10900
REMINGTON	209PSTS	SR4756	34.5			1 5/8	1235	10800
WINCHESTER	209	SR4756	35.5	WIN. REM.	WAA12R RP12	1 5/8	1260	10800
WINCHESTER	209	SR4756	36.0			1 5/8	1260	10800
FEDERAL	209A	"HI-SKOR" 800-X	25.5	WIN. REM.	WAA12R RP12	1 3/4	1130	10700
FEDERAL	209A	"HI-SKOR" 800-X	25.0			1 3/4	1115	10800
REMINGTON	209P	"HI-SKOR" 800-X	28.0	WIN. REM.	WAA12R RP12	1 3/4	1175	10600
REMINGTON	209P	"HI-SKOR" 800-X	28.0			1 3/4	1170	10500
WINCHESTER	209	"HI-SKOR" 800-X	27.5	WIN. REM.	WAA12R RP12	1 3/4	1165	10800
WINCHESTER	209	"HI-SKOR" 800-X	27.5			1 3/4	1155	10600
SHELL: REMINGTON 2 3/4" PREMIER RTL								
REMINGTON	209P	PB	23.0	REM.	SP12	1 1/4	1215	10600
REMINGTON	209P	PB	24.5	REM.	SP12	1 1/4	1270	11500
FEDERAL	209A	SR7625	24.0	REM.	SP12	1 1/4	1215	10600
FEDERAL	209A	SR7625	25.5	REM.	SP12	1 1/4	1265	11500
FEDERAL	209A	SR7625	24.0	WIN.	WAA12R	1 1/4	1210	9900
FEDERAL	209A	SR7625	26.0	WIN.	WAA12R	1 1/4	1280	11300
REMINGTON	209P	SR7625	27.5	REM.	SP12	1 1/4	1280	10600
REMINGTON	209P	SR7625	28.5	REM.	SP12	1 1/4	1330	11500
REMINGTON	209P	SR7625	27.0	WIN.	WAA12R	1 1/4	1280	10300
REMINGTON	209P	SR7625	28.5	WIN.	WAA12R	1 1/4	1335	11400
WINCHESTER	209	SR7625	26.5	REM.	SP12	1 1/4	1280	10800
WINCHESTER	209	SR7625	27.5	REM.	SP12	1 1/4	1315	11500
WINCHESTER	209	SR7625	27.0	WIN.	WAA12R	1 1/4	1280	10200
WINCHESTER	209	SR7625	29.0	WIN.	WAA12R	1 1/4	1340	11500
FEDERAL	209A	SR4756	26.5	REM.	RP12	1 1/4	1235	10500
FEDERAL	209A	SR4756	28.0	REM.	RP12	1 1/4	1300	11500
FEDERAL	209A	SR4756	28.0	WIN.	WAA12R	1 1/4	1270	10600
FEDERAL	209A	SR4756	29.0	WIN.	WAA12R	1 1/4	1315	11400
FEDERAL	209A	SR4756	26.5	FED.	12S4	1 1/4	1230	10700
FEDERAL	209A	SR4756	27.5	FED.	12S4	1 1/4	1270	11400
REMINGTON	209P	SR4756	30.0	REM.	SP12	1 1/4	1275	9300
REMINGTON	209P	SR4756	31.5	REM.	SP12	1 1/4	1335	10400

12 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON 2 3/4" PREMIER RTL								
FEDERAL	209A	"HI-SKOR" 800-X	24.0	REM.	FIG8	1 1/4	1270	10200
FEDERAL	209A	"HI-SKOR" 800-X	25.5	REM.	FIG8	1 1/4	1325	11100
FEDERAL	209A	"HI-SKOR" 800-X	24.0	WINJ.	WINDJAMMER	1 1/4	1275	9900
FEDERAL	209A	"HI-SKOR" 800-X	25.5	WINJ.	WINDJAMMER	1 1/4	1330	10900
FEDERAL	209A	"HI-SKOR" 800-X	24.0	WIN.	WAA12	1 1/4	1275	11400
FEDERAL	209A	"HI-SKOR" 800-X	24.0	FED.	12S3	1 1/4	1275	11200
REMINGTON	209P	"HI-SKOR" 800-X	24.5	REM.	SP12	1 1/4	1265	9500
REMINGTON	209P	"HI-SKOR" 800-X	26.0	REM.	SP12	1 1/4	1320	10200
REMINGTON	209P	"HI-SKOR" 800-X	25.0	WINJ.	WINDJAMMER	1 1/4	1265	9000
REMINGTON	209P	"HI-SKOR" 800-X	26.5	WINJ.	WINDJAMMER	1 1/4	1325	10000
REMINGTON	209P	"HI-SKOR" 800-X	24.5	WIN.	WAA12	1 1/4	1275	10300
REMINGTON	209P	"HI-SKOR" 800-X	26.0	WIN.	WAA12	1 1/4	1325	11100
REMINGTON	209P	"HI-SKOR" 800-X	24.5	FED.	12S3	1 1/4	1270	10500
REMINGTON	209P	"HI-SKOR" 800-X	26.0	FED.	12S3	1 1/4	1320	11400
WINCHESTER	209	"HI-SKOR" 800-X	24.5	REM.	SP12	1 1/4	1280	10100
WINCHESTER	209	"HI-SKOR" 800-X	26.0	REM.	SP12	1 1/4	1335	11000
WINCHESTER	209	"HI-SKOR" 800-X	24.5	WINJ.	WINDJAMMER	1 1/4	1275	9700
WINCHESTER	209	"HI-SKOR" 800-X	24.5	WIN.	WAA12	1 1/4	1285	11000
WINCHESTER	209	"HI-SKOR" 800-X	25.5	WIN.	WAA12	1 1/4	1320	11500
WINCHESTER	209	"HI-SKOR" 800-X	24.5	FED.	12S4	1 1/4	1275	10600
WINCHESTER	209	"HI-SKOR" 800-X	26.0	FED.	12S4	1 1/4	1330	11500
FEDERAL	209A	PB	19.5	WIN.	WAA12R	1 3/8	1105	10900
FEDERAL	209A	PB	19.5	REM.	SP12	1 3/8	1090	11000
REMINGTON	209P	PB	21.5	WIN.	WAA12R	1 3/8	1150	10900
REMINGTON	209P	PB	21.0	REM.	SP12	1 3/8	1130	11000
WINCHESTER	209	PB	21.5	WIN.	WAA12R	1 3/8	1145	11000
WINCHESTER	209	PB	20.5	REM.	RP12	1 3/8	1120	11100
FEDERAL	209A	SR7625	21.5	WIN.	WAA12R	1 3/8	1100	10800
FEDERAL	209A	SR7625	22.0	REM.	SP12	1 3/8	1110	11200
REMINGTON	209P	SR7625	25.0	WIN.	WAA12R	1 3/8	1185	11000
REMINGTON	209P	SR7625	24.5	REM.	RP12	1 3/8	1165	10800
WINCHESTER	209	SR7625	23.5	WIN.	WAA12R	1 3/8	1145	10900
WINCHESTER	209	SR7625	23.0	REM.	RP12	1 3/8	1140	11100
FEDERAL	209A	"HI-SKOR" 800-X	23.0	WIN.	WAA12R	1 3/8	1215	11000
FEDERAL	209A	"HI-SKOR" 800-X	22.5	REM.	RP12	1 3/8	1205	11000
FEDERAL	209A	"HI-SKOR" 800-X	21.5	FED.	12S4	1 3/8	1155	10900
REMINGTON	209P	"HI-SKOR" 800-X	25.5	WIN.	WAA12R	1 3/8	1270	11100
REMINGTON	209P	"HI-SKOR" 800-X	26.5	REM.	SP12	1 3/8	1275	11000
REMINGTON	209P	"HI-SKOR" 800-X	24.0	FED.	12S4	1 3/8	1225	11100
WINCHESTER	209	"HI-SKOR" 800-X	24.5	WIN.	WAA12R	1 3/8	1240	10900
WINCHESTER	209	"HI-SKOR" 800-X	24.0	REM.	SP12	1 3/8	1230	11000
WINCHESTER	209	"HI-SKOR" 800-X	22.5	FED.	12S3	1 3/8	1180	11100
FEDERAL	209A	SR4756	26.0	WIN.	WAA12R	1 3/8	1205	11100
FEDERAL	209A	SR4756	26.0	REM.	SP12	1 3/8	1175	11000
REMINGTON	209P	SR4756	30.5	WIN.	WAA12R	1 3/8	1290	11100
REMINGTON	209P	SR4756	30.0	REM.	SP12	1 3/8	1260	10900
WINCHESTER	209	SR4756	28.5	WIN.	WAA12R	1 3/8	1230	10900
WINCHESTER	209	SR4756	29.0	REM.	RP12	1 3/8	1250	11100
FEDERAL	209A	SR7625	21.0	REM.	RP12	1 1/2	1040	11000
FEDERAL	209A	SR7625	21.5	WIN.	WAA12R	1 1/2	1055	11000
REMINGTON	209P	SR7625	23.5	REM.	RP12	1 1/2	1090	11200
REMINGTON	209P	SR7625	23.5	WIN.	WAA12R	1 1/2	1085	11000
WINCHESTER	209	SR7625	22.5	REM.	RP12	1 1/2	1080	11200
WINCHESTER	209	SR7625	23.0	WIN.	WAA12R	1 1/2	1080	11000

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON 2 3/4" PREMIER RTL								
FEDERAL	209A	"HI-SKOR" 800-X	22.0	REM.	RP12	1 1/2	1130	11200
FEDERAL	209A	"HI-SKOR" 800-X	22.5	WIN.	WAA12R	1 1/2	1140	11300
REMINGTON	209P	"HI-SKOR" 800-X	23.0	REM.	RP12	1 1/2	1155	11200
REMINGTON	209P	"HI-SKOR" 800-X	23.5	WIN.	WAA12R	1 1/2	1170	11200
WINCHESTER	209	"HI-SKOR" 800-X	22.5	REM.	RP12	1 1/2	1140	11300
WINCHESTER	209	"HI-SKOR" 800-X	23.0	WIN.	WAA12R	1 1/2	1150	11200
FEDERAL	209A	SR4756	23.5	REM.	RP12	1 1/2	1075	11000
FEDERAL	209A	SR4756	24.0	WIN.	WAA12R	1 1/2	1090	11000
REMINGTON	209P	SR4756	27.0	REM.	RP12	1 1/2	1150	11200
REMINGTON	209P	SR4756	27.5	WIN.	WAA12R	1 1/2	1160	11000
WINCHESTER	209	SR4756	25.5	REM.	RP12	1 1/2	1115	11000
WINCHESTER	209	SR4756	26.5	WIN.	WAA12R	1 1/2	1130	11200
SHELL: REMINGTON 3" NITRO PLASTIC BASEWAD								
WINCHESTER	209	SR7625	33.5	REM.	SP12	1 1/2	1280	10700
WINCHESTER	209	SR7625	34.0	REM.	RXP12	1 1/2	1285	10600
WINCHESTER	209	SR4756	38.5	REM.	SP12	1 1/2	1345	10500
WINCHESTER	209	"HI-SKOR" 800-X	29.5	WIN.	WAA12	1 1/2	1285	10800
WINCHESTER	209	"HI-SKOR" 800-X	30.5	REM.	SP12	1 1/2	1300	10600
FEDERAL	209A	"HI-SKOR" 800-X	25.5	WIN.	WAA12	1 5/8	1160	10900
FEDERAL	209A	"HI-SKOR" 800-X	25.5	REM.	R12H	1 5/8	1160	10900
REMINGTON	209PSTS	"HI-SKOR" 800-X	27.5	WIN.	WAA12	1 5/8	1205	10800
REMINGTON	209PSTS	"HI-SKOR" 800-X	28.0	REM.	SP12	1 5/8	1210	10900
WINCHESTER	209	"HI-SKOR" 800-X	28.0	WIN.	WAA12	1 5/8	1210	10800
WINCHESTER	209	"HI-SKOR" 800-X	28.0	REM.	SP12	1 5/8	1210	10800
FEDERAL	209A	SR4756	30.0	WIN.	WAA12R	1 5/8	1180	11000
FEDERAL	209A	SR4756	30.5	REM.	RP12	1 5/8	1175	10900
REMINGTON	209PSTS	SR4756	34.0	WIN.	WAA12R	1 5/8	1240	10900
REMINGTON	209PSTS	SR4756	34.0	REM.	RP12	1 5/8	1235	10900
WINCHESTER	209	SR4756	35.0	WIN.	WAA12R	1 5/8	1250	11000
WINCHESTER	209	SR4756	33.5	REM.	RP12	1 5/8	1230	10800
SHELL: WINCHESTER 2 3/4" AA								
FEDERAL	209A	"HI-SKOR" 700-X	17.0	WINJ.	WINDJAMMER	1 1/4	1140	11500
REMINGTON	209P	"HI-SKOR" 700-X	19.0	WINJ.	WINDJAMMER	1 1/4	1200	11200
WINCHESTER	209	"HI-SKOR" 700-X	17.5	WINJ.	WINDJAMMER	1 1/4	1150	11400
WINCHESTER	209	PB	23.5	WIN.	WAA12R	1 1/4	1220	10500
WINCHESTER	209	PB	25.0	WIN.	WAA12R	1 1/4	1270	11500
FEDERAL	209A	SR7625	26.5	WIN.	WAA12R	1 1/4	1285	10900
FEDERAL	209A	SR7625	27.5	WIN.	WAA12R	1 1/4	1320	11500
FEDERAL	209A	SR7625	26.0	REM.	SP12	1 1/4	1275	11000
FEDERAL	209A	SR7625	27.0	REM.	SP12	1 1/4	1310	11500
REMINGTON	209P	SR7625	28.0	WIN.	WAA12R	1 1/4	1270	9100
REMINGTON	209P	SR7625	29.5	WIN.	WAA12R	1 1/4	1325	10300
REMINGTON	209P	SR7625	28.0	REM.	SP12	1 1/4	1290	10200
REMINGTON	209P	SR7625	29.0	REM.	SP12	1 1/4	1325	10900
REMINGTON	209P	SR7625	26.5	FED.	12S4	1 1/4	1265	10700
REMINGTON	209P	SR7625	28.0	FED.	12S4	1 1/4	1315	11500
WINCHESTER	209	SR7625	27.0	WIN.	WAA12	1 1/4	1275	11000
WINCHESTER	209	SR7625	28.0	WIN.	WAA12	1 1/4	1310	11500
WINCHESTER	209	SR7625	27.5	REM.	SP12	1 1/4	1275	10300
WINCHESTER	209	SR7625	29.0	REM.	SP12	1 1/4	1325	11400
WINCHESTER	209	SR7625	25.0	FED.	12S4	1 1/4	1215	10200
WINCHESTER	209	SR7625	26.5	FED.	12S4	1 1/4	1270	11400
FEDERAL	209A	SR4756	28.5	WIN.	WAA12R	1 1/4	1280	10600
FEDERAL	209A	SR4756	30.0	WIN.	WAA12R	1 1/4	1330	11500
FEDERAL	209A	SR4756	26.0	FED.	12S4	1 1/4	1225	10700
FEDERAL	209A	SR4756	27.5	FED.	12S4	1 1/4	1270	11500
FEDERAL	209A	SR4756	28.5	REM.	SP12	1 1/4	1285	10800
FEDERAL	209A	SR4756	29.5	REM.	SP12	1 1/4	1325	11500

12 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER 2 3/4" AA								
REMINGTON	209P	SR4756	31.5	WIN.	WAA12R	1 1/4	1270	8200
REMINGTON	209P	SR4756	33.0	WIN.	WAA12R	1 1/4	1330	9000
REMINGTON	209P	SR4756	29.5	FED.	12S4	1 1/4	1230	8400
REMINGTON	209P	SR4756	30.5	REM.	RP12	1 1/4	1275	9600
REMINGTON	209P	SR4756	31.5	REM.	RP12	1 1/4	1330	10600
WINCHESTER	209	SR4756	30.5	WIN.	WAA12R	1 1/4	1280	9400
WINCHESTER	209	SR4756	32.0	WIN.	WAA12R	1 1/4	1335	10300
WINCHESTER	209	SR4756	26.5	FED.	12S4	1 1/4	1180	9000
WINCHESTER	209	SR4756	27.5	FED.	12S4	1 1/4	1220	9500
WINCHESTER	209	SR4756	30.0	REM.	SP12	1 1/4	1285	10000
WINCHESTER	209	SR4756	31.5	REM.	SP12	1 1/4	1340	11000
FEDERAL	209A	"HI-SKOR" 800-X	24.5	WIN.	WAA12	1 1/4	1270	10400
FEDERAL	209A	"HI-SKOR" 800-X	26.0	WIN.	WAA12	1 1/4	1325	11400
FEDERAL	209A	"HI-SKOR" 800-X	24.5	WINJ.	WINDJAMMER	1 1/4	1270	9300
FEDERAL	209A	"HI-SKOR" 800-X	26.0	WINJ.	WINDJAMMER	1 1/4	1320	10000
FEDERAL	209A	"HI-SKOR" 800-X	25.0	REM.	SP12	1 1/4	1275	9800
FEDERAL	209A	"HI-SKOR" 800-X	26.5	REM.	SP12	1 1/4	1325	10700
FEDERAL	209A	"HI-SKOR" 800-X	24.5	FED.	12S4	1 1/4	1270	10600
FEDERAL	209A	"HI-SKOR" 800-X	26.0	FED.	12S4	1 1/4	1325	11500
REMINGTON	209P	"HI-SKOR" 800-X	27.0	WIN.	WAA12	1 1/4	1275	8200
REMINGTON	209P	"HI-SKOR" 800-X	28.5	WIN.	WAA12	1 1/4	1335	9600
REMINGTON	209P	"HI-SKOR" 800-X	26.0	WINJ.	WINDJAMMER	1 1/4	1270	8100
REMINGTON	209P	"HI-SKOR" 800-X	28.5	WINJ.	WINDJAMMER	1 1/4	1325	9000
REMINGTON	209P	"HI-SKOR" 800-X	27.5	REM.	SP12	1 1/4	1280	7800
REMINGTON	209P	"HI-SKOR" 800-X	29.0	REM.	SP12	1 1/4	1325	8500
REMINGTON	209P	"HI-SKOR" 800-X	26.0	FED.	12S4	1 1/4	1265	8600
REMINGTON	209P	"HI-SKOR" 800-X	27.5	FED.	12S4	1 1/4	1320	9600
WINCHESTER	209	"HI-SKOR" 800-X	25.0	WIN.	WAA12	1 1/4	1270	9900
WINCHESTER	209	"HI-SKOR" 800-X	26.5	WIN.	WAA12	1 1/4	1320	10700
WINCHESTER	209	"HI-SKOR" 800-S	25.5	WINJ.	WINDJAMMER	1 1/4	1275	9000
WINCHESTER	209	"HI-SKOR" 800-X	27.0	WINJ.	WINDJAMMER	1 1/4	1330	10000
WINCHESTER	209	"HI-SKOR" 800-X	25.0	REM.	SP12	1 1/4	1270	9400
WINCHESTER	209	"HI-SKOR" 800-X	26.5	REM.	SP12	1 1/4	1325	10200
WINCHESTER	209	"HI-SKOR" 800-X	25.0	FED.	12S3	1 1/4	1275	10000
WINCHESTER	209	"HI-SKOR" 800-X	26.5	FED.	12S3	1 1/4	1330	10900
FEDERAL	209A	PB	20.0	WIN.	WAA12R	1 3/8	1105	11200
FEDERAL	209A	PB	19.5	REM.	RP12	1 3/8	1090	11100
REMINGTON	209P	PB	22.5	WIN.	WAA12R	1 3/8	1165	11100
REMINGTON	209P	PB	22.0	REM.	RP12	1 3/8	1150	11200
WINCHESTER	209	PB	21.0	WIN.	WAA12R	1 3/8	1125	10900
WINCHESTER	209	PB	20.5	REM.	SP12	1 3/8	1115	11100
FEDERAL	209A	SR7625	22.5	WIN.	WAA12R	1 3/8	1130	11000
FEDERAL	209A	SR7625	23.0	REM.	SP12	1 3/8	1130	11100
REMINGTON	209P	SR7625	26.0	WIN.	WAA12R	1 3/8	1190	11000
REMINGTON	209P	SR7625	24.5	REM.	SP12	1 3/8	1155	10900
WINCHESTER	209	SR7625	24.0	WIN.	WAA12R	1 3/8	1155	11200
WINCHESTER	209	SR7625	24.0	REM.	SP12	1 3/8	1150	10900
FEDERAL	209A	"HI-SKOR" 800-X	25.5	WIN.	WAA12R	1 3/8	1260	11000
FEDERAL	209A	"HI-SKOR" 800-X	25.0	REM.	SP12	1 3/8	1245	11100
FEDERAL	209A	"HI-SKOR" 800-X	22.5	FED.	12S4	1 3/8	1180	11100
REMINGTON	209P	"HI-SKOR" 800-X	29.0	WIN.	WAA12R	1 3/8	1320	10100
REMINGTON	209P	"HI-SKOR" 800-X	30.0	REM.	RP12	1 3/8	1345	11200
REMINGTON	209P	"HI-SKOR" 800-X	27.0	FED.	12S4	1 3/8	1280	11100
WINCHESTER	209	"HI-SKOR" 800-X	26.0	WIN.	WAA12R	1 3/8	1275	11000
WINCHESTER	209	"HI-SKOR" 800-X	26.0	REM.	SP12	1 3/8	1270	11100
WINCHESTER	209	"HI-SKOR" 800-X	23.5	FED.	12S4	1 3/8	1200	11100

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE FIELD RELOADING DATA (Cont'd)

MFR.	PRIMER NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER 2 3/4" AA								
FEDERAL	209A	SR4756	27.0	WIN.	WAA12R	1 3/8	1185	10900
FEDERAL	209A	SR4756	27.5	REM.	SP12	1 3/8	1210	11200
REMINGTON	209P	SR4756	32.0	WIN.	WAA12R	1 3/8	1290	10600
REMINGTON	209P	SR4756	31.0	REM.	RP12	1 3/8	1265	10900
WINCHESTER	209	SR4756	30.0	WIN.	WAA12R	1 3/8	1265	11200
WINCHESTER	209	SR4756	28.5	REM.	SP12	1 3/8	1230	11000
SHELL: WINCHESTER 3" AA PLASTIC BASEWAD								
FEDERAL	209A	"HI-SKOR" 800-X	28.0	WIN.	WAA12	1 5/8	1210	10800
FEDERAL	209A	"HI-SKOR" 800-X	28.5	REM.	RXP12	1 5/8	1220	11000
REMINGTON	209PSTS	"HI-SKOR" 800-X	30.0	WIN.	WAA12	1 5/8	1250	10900
REMINGTON	209PSTS	"HI-SKOR" 800-X	31.5	REM.	RXP12	1 5/8	1265	11000
WINCHESTER	209	"HI-SKOR" 800-X	30.5	WIN.	WAA12	1 5/8	1260	11000
WINCHESTER	209	"HI-SKOR" 800-X	30.5	REM.	RXP12	1 5/8	1255	11000
FEDERAL	209A	SR4756	31.0	WIN.	WAA12F114	1 5/8	1180	10800
FEDERAL	209A	SR4756	33.0	REM.	SP12	1 5/8	1225	10900
REMINGTON	209PSTS	SR4756	37.5	2IN.	WAA12R	1 5/8	1290	11000
REMINGTON	209PSTS	SR4756	35.5	REM.	RP12	1 5/8	1265	10900
WINCHESTER	209	SR4756	38.5	WIN.	WAA12R	1 5/8	1295	10900
WINCHESTER	209	SR4756	37.5	REM.	RP12	1 5/8	1290	11000

16 GAUGE FIELD RELOADING DATA

MFR.	PRIMER NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 2 3/4" GAME								
FEDERAL	209A	"HI-SKOR" 700-X	15.5	WIN.	WAA16	1	1175	11000
REMINGTON	209P	"HI-SKOR" 700-X	16.5	WIN.	WAA16	1	1210	11200
WINCHESTER	209	"HI-SKOR" 700-X	16.0	WIN.	WAA16	1	1195	11200
FEDERAL	209A	PB	21.5	WIN.	WAA16	1	1280	11000
REMINGTON	209P	PB	25.0	REM.	SP16	1	1360	11200
WINCHESTER	209	PB	23.5	WIN.	WAA16	1	1330	11200
FEDERAL	209A	SR7625	24.5	WIN.	WAA16	1	1340	11000
REMINGTON	209P	SR7625	26.5	REM.	SP16	1	1375	10400
WINCHESTER	209	SR7625	25.0	WIN.	WAA16	1	1330	9900
FEDERAL	209A	"HI-SKOR" 800-X	24.0	REM.	SP16	1	1385	10400
REMINGTON	209P	"HI-SKOR" 800-X	25.0	REM.	SP16	1	1350	8300
WINCHESTER	209	"HI-SKOR" 800-X	24.5	WIN.	WAA16	1	1390	10200
FEDERAL	209A	SR4756	25.0	WIN.	WAA16	1	1240	8500
REMINGTON	209P	SR4756	27.0	REM.	SP16	1	1210	6400
WINCHESTER	209	SR4756	25.0	WIN.	WAA16	1	1210	7200
FEDERAL	209A	PB	19.0	REM.	SP16	1 1/8	1145	10800
REMINGTON	209P	PB	21.0	REM.	SP16	1 1/8	1205	10500
WINCHESTER	209	PB	20.5	REM.	SP16	1 1/8	1195	11000
FEDERAL	209A	SR7625	22.0	REM.	SP16	1 1/8	1220	11000
REMINGTON	209P	SR7625	23.0	REM.	SP16	1 1/8	1200	9000
WINCHESTER	209	SR7625	23.0	REM.	SP16	1 1/8	1240	10800
FEDERAL	209A	"HI-SKOR" 800-X	22.5	REM.	SP16	1 1/8	1285	11000
REMINGTON	209P	"HI-SKOR" 800-X	24.5	REM.	SP16	1 1/8	1310	10100
WINCHESTER	209	"HI-SKOR" 800-X	22.5	REM.	SP16	1 1/8	1285	10800
FEDERAL	209A	SR4756	23.0	REM.	SP16	1 1/8	1150	8400
REMINGTON	209P	SR4756	23.0	REM.	SP16	1 1/8	1045	6200
WINCHESTER	209	SR4756	23.0	REM.	SP16	1 1/8	1120	7700

16 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON 2 3/4" GAME (BLACK)								
FEDERAL	209A	"HI-SKOR" 700-X	13.0	WIN.	WAA16	1	1095	11000
REMINGTON	209P	"HI-SKOR" 700-X	14.5	WIN.	WAA16	1	1150	11000
WINCHESTER	209	"HI-SKOR" 700-X	13.5	WIN.	WAA16	1	1120	11200
FEDERAL	209A	PB	17.5	REM.	SP16	1	1180	11200
REMINGTON	209P	PB	20.0	REM.	SP16	1	1240	10700
WINCHESTER	209	PB	19.0	WIN.	WAA16	1	1210	11000
FEDERAL	209A	SR7625	21.0	REM.	SP16	1	1250	11200
REMINGTON	209P	SR7625	23.5	REM.	SP16	1	1310	11200
WINCHESTER	209	SR7625	22.5	WIN.	WAA16	1	1285	11200
FEDERAL	209A	"HI-SKOR" 800-X	20.5	REM.	SP16	1	1295	11200
REMINGTON	209P	"HI-SKOR" 800-X	24.0	REM.	SP16	1	1390	11100
WINCHESTER	209	"HI-SKOR" 800-X	21.5	WIN.	WAA16	1	1315	11000
FEDERAL	209A	SR4756	23.5	REM.	SP16	1	1280	11000
REMINGTON	209P	SR4756	29.0	REM.	SP16	1	1380	10100
WINCHESTER	209	SR4756	22.0	WIN.	WAA16	1	1160	8200
FEDERAL	209A	PB	16.5	REM.	SP16	1 1/8	1090	11000
REMINGTON	209P	PB	18.5	REM.	SP16	1 1/8	1140	11000
WINCHESTER	209	PB	18.0	REM.	SP16	1 1/8	1120	11100
FEDERAL	209A	SR7625	19.5	REM.	SP16	1 1/8	1140	11000
REMINGTON	209P	SR7625	22.0	REM.	SP16	1 1/8	1210	11000
WINCHESTER	209	SR7625	21.0	REM.	SP16	1 1/8	1180	10900
FEDERAL	209A	"HI-SKOR" 800-X	19.0	REM.	SP16	1 1/8	1195	10800
REMINGTON	209P	"HI-SKOR" 800-X	21.0	REM.	SP16	1 1/8	1240	10800
WINCHESTER	209	"HI-SKOR" 800-X	19.5	REM.	SP16	1 1/8	1220	10900
FEDERAL	209A	SR4756	22.0	REM.	SP16	1 1/8	1185	10900
REMINGTON	209P	SR4756	24.0	REM.	SP16	1 1/8	1175	9500
WINCHESTER	209	SR4756	23.5	REM.	SP16	1 1/8	1220	11000
SHELL: WINCHESTER 2 3/4" X-PERT								
FEDERAL	209A	"HI-SKOR" 700-X	12.5	WIN.	WAA16	1	1085	11000
REMINGTON	209P	"HI-SKOR" 700-X	14.5	WIN.	WAA16	1	1145	11000
WINCHESTER	209	"HI-SKOR" 700-X	13.0	WIN.	WAA16	1	1105	11000
FEDERAL	209A	PB	19.5	WIN.	WAA16	1	1240	11200
REMINGTON	209P	PB	21.0	REM.	SP16	1	1265	10800
WINCHESTER	209	PB	19.0	WIN.	WAA16	1	1220	10900
FEDERAL	209A	SR7625	20.5	WIN.	WAA16	1	1230	10900
REMINGTON	209P	SR7625	23.0	REM.	SP16	1	1290	11200
WINCHESTER	209	SR7625	22.0	WIN.	WAA16	1	1270	11000
FEDERAL	209A	"HI-SKOR" 800-X	22.5	WIN.	WAA16	1	1350	10800
REMINGTON	209P	"HI-SKOR" 800-X	24.0	REM.	SP16	1	1350	9000
WINCHESTER	209	"HI-SKOR" 800-X	23.0	WIN.	WAA16	1	1360	11200
FEDERAL	209A	SR4756	22.5	REM.	SP16	1	1245	10900
REMINGTON	209P	SR4756	27.0	REM.	SP16	1	1335	9900
WINCHESTER	209	SR4756	21.0	WIN.	WAA16	1	1130	7800
FEDERAL	209A	PB	16.0	REM.	SP16	1 1/8	1075	11100
REMINGTON	209P	PB	18.5	REM.	SP16	1 1/8	1145	11100
WINCHESTER	209	PB	17.0	REM.	SP16	1 1/8	1100	10800
FEDERAL	209A	SR7625	18.0	REM.	SP16	1 1/8	1100	10800
REMINGTON	209P	SR7625	19.5	REM.	SP16	1 1/8	1160	10900
WINCHESTER	209	SR7625	19.0	REM.	SP16	1 1/8	1140	10900
FEDERAL	209A	"HI-SKOR" 800-X	19.0	REM.	SP16	1 1/8	1180	10900
REMINGTON	209P	"HI-SKOR" 800-X	22.0	REM.	SP16	1 1/8	1245	10100
WINCHESTER	209	"HI-SKOR" 800-X	20.0	REM.	SP16	1 1/8	1210	11000
FEDERAL	209A	SR4756	20.5	REM.	SP16	1 1/8	1150	10800
REMINGTON	209P	SR4756	23.0	REM.	SP16	1 1/8	1150	8900
WINCHESTER	209	SR4756	22.5	REM.	SP16	1 1/8	1200	11100

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

20 GAUGE FIELD RELOADING DATA

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 2 3/4" PLASTIC TARGET/HUNTING								
FEDERAL	209A	SR7625	19.0	WIN.	WAA20F1	1	1205	11700
REMINGTON	209P	SR7625	21.0	REM.	SP20	1	1240	11400
WINCHESTER	209	SR7625	20.5	WIN.	WAA20F1	1	1235	11600
FEDERAL	209A	"HI-SKOR" 800-X	19.0	FED.	20S1	1	1255	11500
FEDERAL	209A	"HI-SKOR" 800-X	18.5	REM.	SP20	1	1245	11600
FEDERAL	209A	"HI-SKOR" 800-X	19.0	WIN.	WAA20F1	1	1270	11800
REMINGTON	209P	"HI-SKOR" 800-X	20.0	FED.	20S1	1	1275	11100
REMINGTON	209P	"HI-SKOR" 800-X	21.0	REM.	SP20	1	1320	11400
REMINGTON	209P	"HI-SKOR" 800-X	21.0	WIN.	WAA20F1	1	1330	11600
WINCHESTER	209	"HI-SKOR" 800-X	19.5	FED.	20S1	1	1270	11600
WINCHESTER	209	"HI-SKOR" 800-X	20.0	REM.	SP20	1	1290	11700
WINCHESTER	209	"HI-SKOR" 800-X	19.5	WIN.	WAA20F1	1	1285	11500
SHELL: FEDERAL 3" MAGNUM PAPER BASE WAD								
FEDERAL	209A	PB	17.0	FED.	20S1	1 1/8	1080	11300
FEDERAL	209A	PB	18.0	REM.	RXP20	1 1/8	1130	11500
FEDERAL	209A	PB	17.5	2IN.	WAA20	1 1/8	1110	11600
REMINGTON	209P	PB	19.0	FED.	2051	1 1/8	1140	11600
REMINGTON	209P	PB	20.0	REM.	RXP20	1 1/8	1175	11400
WINCHESTER	209	PB	19.0	FED.	20S1	1 1/8	1160	11700
WINCHESTER	209	PB	18.0	REM.	RXP20	1 1/8	1120	11400
WINCHESTER	209	PB	17.0	WIN.	WAA20	1 1/8	1090	11400
FEDERAL	209A	"HI-SKOR" 800-X	19.0	FED.	20S1	1 1/8	1200	11600
FEDERAL	209A	"HI-SKOR" 800-X	19.5	REM.	RXP20	1 1/8	1215	11500
FEDERAL	209A	"HI-SKOR" 800-X	19.5	WIN.	WAA20	1 1/8	1210	11500
REMINGTON	209P	"HI-SKOR" 800-X	22.0	FED.	20S1	1 1/8	1275	11700
REMINGTON	209P	"HI-SKOR" 800-X	21.0	REM.	SP20	1 1/8	1255	11600
REMINGTON	209P	"HI-SKOR" 800-X	22.0	WIN.	WAA20	1 1/8	1275	11400
WINCHESTER	209	"HI-SKOR" 800-X	19.5	FED.	20S1	1 1/8	1210	11600
WINCHESTER	209	"HI-SKOR" 800-X	19.5	REM.	SP20	1 1/8	1210	11500
WINCHESTER	209	"HI-SKOR" 800-X	19.0	WIN.	WAA20	1 1/8	1200	11400
FEDERAL	209A	SR4756	21.0	FED.	20S1	1 1/8	1165	11400
FEDERAL	209A	SR4756	21.5	REM.	SP20	1 1/8	1190	11700
FEDERAL	209A	SR4756	20.5	WIN.	WAA20	1 1/8	1160	11700
REMINGTON	209P	SR4756	24.0	FED.	20S1	1 1/8	1235	11200
REMINGTON	209P	SR4756	24.5	REM.	SP20	1 1/8	1250	11200
REMINGTON	209P	SR4756	24.0	WIN.	WAA20	1 1/8	1240	11000
WINCHESTER	209	SR4756	21.5	FED.	20S1	1 1/8	1185	11300
WINCHESTER	209	SR4756	23.0	REM.	SP20	1 1/8	1215	11500
WINCHESTER	209	SR4756	22.5	WIN.	WAA20	1 1/8	1215	11700
FEDERAL	209A	"HI-SKOR" 800-X	17.5	REM.	SP20	1 1/4	1095	11500
FEDERAL	209A	"HI-SKOR" 800-X	18.0	WIN.	WAA20F1	1 1/4	1115	11700
REMINGTON	209P	"HI-SKOR" 800-X	19.5	REM.	SP20	1 1/4	1155	11400
REMINGTON	209P	"HI-SKOR" 800-X	20.0	WIN.	WAA20F1	1 1/4	1170	11000
WINCHESTER	209	"HI-SKOR" 800-X	18.0	REM.	SP20	1 1/4	1105	11400
WINCHESTER	209	"HI-SKOR" 800-X	18.5	WIN.	WAA20F1	1 1/4	1130	11400
SHELL: REMINGTON 2 3/4" PREMIER (RTL)								
FEDERAL	209A	SR7625	14.5	WIN.	WAA20F1	1	1060	11400
FEDERAL	209A	SR7625	14.5	REM.	SP20	1	1055	11500
REMINGTON	209P	SR7625	16.5	WIN.	WAA20F1	1	1125	11800
REMINGTON	209P	SR7625	16.0	REM.	SP20	1	1105	11600
WINCHESTER	209	SR7626	16.0	WIN.	WAA20F1	1	1110	11800
WINCHESTER	209	SR7625	16.0	REM.	SP20	1	1105	11400
FEDERAL	209A	"HI-SKOR" 800-X	15.0	FED.	20S1	1	1115	11400
FEDERAL	209A	"HI-SKOR" 800-X	16.0	REM.	SP20	1	1170	11800
FEDERAL	209A	"HI-SKOR" 800-X	15.5	WIN.	WAA20F1	1	1150	11800
REMINGTON	209P	"HI-SKOR" 800-X	16.0	FED.	20S1	1	1160	11200
REMINGTON	209P	"HI-SKOR" 800-X	17.5	REM.	SP20	1	1220	11900
REMINGTON	209P	"HI-SKOR" 800-X	17.0	WIN.	WAA20F1	1	1205	11700

20 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON 2 3/4" PREMIER (RTL)								
WINCHESTER	209	"HI-SKOR" 800-X	16.0	FED.	20S1	1	1160	11700
WINCHESTER	209	"HI-SKOR" 800-X	17.0	REM.	RXP20	1	1200	11800
WINCHESTER	209	"HI-SKOR" 800-X	16.5	WIN.	WAA20F1	1	1185	11800
FEDERAL	209A	SR4756	17.0	REM.	SP20	1	1125	11800
REMINGTON	209P	SR4756	19.5	REM.	SP20	1	1185	11500
WINCHESTER	209	SR4756	18.5	REM.	SP20	1	1160	11700
SHELL: REMINGTON 3" UNIBODY								
FEDERAL	209A	"HI-SKOR" 800-X	15.5	FED.	20C1	1 1/8	1095	11600
FEDERAL	209A	"HI-SKOR" 800-X	15.5	REM.	SP20	1 1/8	1105	11800
FEDERAL	209A	"HI-SKOR" 800-X	15.5	WIN.	WAA20	1 1/8	1095	11600
REMINGTON	209P	"HI-SKOR" 800-X	17.0	FED.	20C1	1 1/8	1145	11600
REMINGTON	209P	"HI-SKOR" 800-X	17.0	REM.	SP20	1 1/8	1150	11700
REMINGTON	209P	"HI-SKOR" 800-X	16.0	WIN.	WAA20	1 1/8	1110	11100
WINCHESTER	209	"HI-SKOR" 800-X	16.5	FED.	20C1	1 1/8	1120	11500
WINCHESTER	209	"HI-SKOR" 800-X	16.0	REM.	SP20	1 1/8	1100	11600
WINCHESTER	209	"HI-SKOR" 800-X	16.0	WIN.	WAA20	1 1/8	1110	11600
SHELL: REMINGTON 3" UNIBODY								
FEDERAL	209A	"HI-SKOR" 800-X	14.5	REM.	SP20	1 1/4	1020	11700
REMINGTON	209P	"HI-SKOR" 800-X	16.0	REM.	SP20	1 1/4	1070	11700
WINCHESTER	209	"HI-SKOR" 800-X	15.0	REM.	SP20	1 1/4	1035	11600
SHELL: WINCHESTER 2 3/4" SUPER-X								
FEDERAL	209A	SR7625	14.0	WIN.	WAA20F1	1	1040	11400
FEDERAL	209A	SR7625	14.5	REM.	RXP20	1	1060	11600
REMINGTON	209P	SR7625	15.0	WIN.	WAA20F1	1	1065	10900
REMINGTON	209P	SR7625	15.0	REM.	RXP20	1	1050	9800
WINCHESTER	209	SR7625	14.5	WIN.	WAA20F1	1	1060	11400
WINCHESTER	209	SR7625	15.0	REM.	RXP20	1	1065	11300
FEDERAL	209A	"HI-SKOR" 800-X	14.5	WIN.	WAA20F1	1	1130	11800
FEDERAL	209A	"HI-SKOR" 800-X	15.0	REM.	RXP20	1	1135	11700
REMINGTON	209P	"HI-SKOR" 800-X	17.0	WIN.	WAA20F1	1	1200	11500
REMINGTON	209P	"HI-SKOR" 800-X	17.0	REM.	RXP20	1	1185	10800
WINCHESTER	209	"HI-SKOR" 800-X	15.5	WIN.	WAA20F1	1	1150	11500
WINCHESTER	209	"HI-SKOR" 800-X	16.0	REM.	RXP20	1	1160	11600
WINCHESTER	209	SR4756	17.0	WIN.	WAA20F1	1	1105	11100
WINCHESTER	209	SR4756	17.0	REM.	RXP20	1	1100	10700

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

.410 BORE FIELD RELOADING DATA

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON 3" SP "EXPRESS"								
REMINGTON	209PSTS	IMR4198	26.5	REM.	SP410	1/2	1455	11100
FEDERAL	209A	IMR4227	19.0	REM.	SP410	11/16	1175	13300
REMINGTON	209P	IMR4227	19.0	REM.	SP410	11/16	1115	10900
WINCHESTER	209	IMR4227	19.0	REM.	SP410	11/16	1120	11600
SHELL: WINCHESTER 3" COMPRESSION-FORMED "SUPER-X"								
WINCHESTER	209	IMR4198	22.0	WIN.	WAA41	1/2	1260	9100
FEDERAL	209A	IMR4227	16.5	WIN.	WAA41	5/8	1055	10700
WINCHESTER	209	IMR4227	16.5	WIN.	WAA41	5/8	1015	9200

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

ABBREVIATIONS AND MANUFACTURERS' TRADEMARKS

FEDERAL

Shotgun Shells: Hi-Power*, Gold Medal*, Paper Champion*.

Abbreviations Used

	Trade Names
FC	Fiber Cushion Wad
SC	Shot Cup

*Registered trademarks of Federal Cartridge Co., Minneapolis, MN

REMINGTON*

Shotgun Shells: "Express," "RXP," "PREMIER."

*Registered trademarks of Remington Arms Co., Maddison, NC

WINCHESTER*

Shotgun Shells: Double A*, Super-X*, Upland*.

*Registered trademarks of Olin Corp., East Alton, IL

BALLISTIC PRODUCTS, INC.

20015 75 Ave. No.

Corcoran, MN 55340

Abbreviations Used

	Trade Names
BP	Ballistic Products
BPGS	Ballistic Products
BPSB	Gas Seal Wad

Trade Names

Ballistic Products
Ballistic Products
Gas Seal Wad
Ballistic Products
Shot Buffer Material

DANGER! Smokeless powder is an extremely flammable solid and can be dangerous if improperly handled. It should not be exposed to heat, sparks, or open flame. In accordance with good handloading practices, all reloading components including smokeless powder should be kept out of reach of children at all times.

REFERENCE TABLES

POWDER TABLE

GRAINS PER LOAD	LOADS PER POUND	GRAINS PER LOAD	LOADS PER POUND	GRAINS PER LOAD	LOADS PER POUND
12	583	23	304	34	205
13	538	24	291	35	200
14	500	25	280	36	194
15	466	26	269	37	189
16	437	27	259	38	184
17	411	28	250	39	179
18	388	29	241	40	175
19	368	30	233	41	170
20	350	31	225	42	166
21	333	32	218	43	162
22	318	33	212		

CHILLED SHOT TABLE

Weight Ounces	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2	2 1/8
Weight Grains	219	273	328	383	438	492	547	602	656	711	766	820	875	930
Loads per Lb.	32	26	21	18	16	14	13	12	11	10	9	9	8	8
Size	Dia. In.	Approximate No. of Pellets per load												
BB	.18	25	31	38	44	50	56	63	69	75	81	88	94	100
2	.15	44	55	66	77	88	99	110	121	132	143	154	165	176
4	.13	68	85	102	119	136	153	170	187	204	221	238	255	171
2	.12	86	108	129	151	172	194	215	137	258	280	301	323	344
6	.11	112	139	167	195	223	251	279	307	335	362	390	418	446
7	.10	150	187	224	262	299	336	374	411	449	486	523	561	598
7 1/2	.095	173	216	259	302	345	388	431	474	518	564	604	647	690
8	.085	240	300	360	420	480	540	600	660	20	780	840	900	960
9	.08	293	366	439	512	585	658	731	804	878	951	1024	1097	1170

RIFLE

IMPORTANT: Recommended uses of IMR powder relate only to the appropriate IMR powder and not to those available from other firms. Although the four digit numerical designations of other manufacturers' products may be identical to those preceded by the IMR prefix, the powders are different. To avoid potential confusion, gun damage and personal injury, therefore, handloaders should be careful to note the prefix of recommended powder designations.

KEY TO ABBREVIATIONS FOR RIFLE DATA

BP	Bronze Point	IMR	Improved Military Rifle	PTD	Pointed
BR	Bench Rest	M	Magnum	RN	Round Nose
BT	Boat Tail	PL	"Power-Lokt"	SP	Soft Point
C	Compressed Charge	PR	Primer	SPCL	Solf Point "Core-Lokt"
C.O.L.	Cartridge Overall Length	PSP	Pointed Soft Point		
HP	Hollow Point	PSPCL	Pointed Soft Point "Core-Lokt"		

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)
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.17 REMINGTON

REM. CASE; REM. 7 1/2 PR

REM. 25 GR. PL HP

.1722"	DIA.	24"	BBL.	; 2.100"	C.O.L.
SR 4759	16.0	3505	50100		
IMR 4227	16.5	3600	50500		
IMR 4198	19.5	3840	51000		
IMR 3031	22.5	4015	51700		
IMR 4064	24.0C	4005	50700		
IMR 4895	23.5	3995	51400		
IMR 4320	25.0	3965	51300		
IMR 4350	24.5C	3470	39000		
IMR 4831	25.0C	3330	33500		

.222 REMINGTON

REM. CASE; REM. 7 1/2 PR

HORNADY 45 GR.

.224"	DIA.	25"	BBL.	; 2.130"	C.O.L.
SR 4759	16.5	2925	44000		
IMR 4227	17.5	3055	44000		
IMR 4198	21.5	3315	45000		
IMR 3031	24.0C	3065	33100		
IMR 4064	24.0C	2910	31700		
IMR 4895	25.5C	3165	39500		
IMR 4320	26.0C	3115	39700		
IMR 4350	25.0C	2545	24700		
IMR 4831	25.0C	2375	22300		

.22-250 REMINGTON

REM. CASE; REM. 9 1/2 PR

REM. 55 GR. PTD. SP

.224"	DIA.	24"	BBL.	; 2.350"	C.O.L.
SR 4759	22.0	3100	53000		
IMR 4227	21.5	3030	42300		
IMR 4198	27.5	3375	52200		
IMR 3031	34.0	3640	53000		
IMR 4064	35.5	3625	52500		
IMR 4895	35.5	3645	53000		
IMR 4320	36.0	3540	51500		
IMR 4350	39.5C	3495	47700		
IMR 4831	39.5C	3320	42500		

.223 REMINGTON

REM. CASE; REM. 7 1/2 PR

HORNADY 55 GR. SPIRE PT. SX

.224"	DIA.	24"	BBL.	; 2.260"	C.O.L.
SR 4759	16.5	2745	50100		
IMR 4227	17.0	2810	51200		
IMR 4198	21.5	3100	52000		
IMR 3031	25.0C	3165	50900		
IMR 4064	25.5C	3090	49200		
IMR 4895	26.0	3120	21100		
IMR 4320	27.0C	3075	50300		
IMR 4350	26.0C	2605	34800		
IMR 4831	26.0C	2415	31300		

.22 HORNET

REM. CASE; REM. 6 1/2 PR

HORNADY 45 GR.

.224"	DIA.	25"	BBL.	; 1.720"	C.O.L.
SR 4759	8.0C	2000	24700		
IMR 4227	11.5C	2515	38900		
IMR 4198	10.5C	2010	20100		
IMR 3031	11.0C	1675	14100		
IMR 4064	11.0C	1545	13100		
IMR 4895	12.0C	1735	15500		
IMR 4320	12.0C	1650	14900		
IMR 4350	11.5C	1280	11700		
IMR 4831	11.5C	1085	10700		

.222 REMINGTON

REM. CASE; REM. 7 1/2 PR

SIERRA 50 GR. SPITZER

.224"	DIA.	25"	BBL.	; 2.130"	C.O.L.
SR 4759	16.5	2845	45000		
IMR 4227	17.5	2965	45500		
IMR 4198	20.5	3130	44500		
IMR 3031	23.5C	3045	38400		
IMR 4064	23.5C	2875	34200		
IMR 4895	25.0C	3085	43100		
IMR 4320	26.0C	3065	40800		
IMR 4350	24.5C	2495	23400		
IMR 4831	24.5C	2320	21500		

.223 REMINGTON

REM. CASE; REM. 7 1/2 PR

SIERRA 50 GR. SPITZER

.224"	DIA.	24"	BBL.	; 2.190"	C.O.L.
SR 4759	17.5	3040	51000		
IMR 4227	17.5	3085	51400		
IMR 4198	22.0	3360	50300		
IMR 3031	25.5C	3300	42200		
IMR 4064	25.5C	3180	42500		
IMR 4895	26.5C	3280	45900		
IMR 4320	27.5C	3200	45100		
IMR 4350	26.0C	2675	30500		
IMR 4831	26.0C	2475	26800		

.243 WINCHESTER

REM. CASE; REM. 9 1/2 PR

REM. 80 GR. PTD. SP

.243"	DIA.	22"	BBL.	; 2.640"	C.O.L.
SR 4759	25.5	2710	51300		
IMR 4227	25.0	2695	51000		
IMR 4198	32.0	3035	51300		
IMR 3031	39.5	3260	51100		
IMR 4064	42.5	3360	52000		
IMR 4895	41.0	3305	52000		
IMR 4320	42.5	3280	51700		
IMR 4350	48.0C	3345	51700		
IMR 4831	48.5C	3265	46900		

.220 SWIFT

REM. CASE; REM. 9 1/2 PR

HORNADY 60 GR. SPIRE PT

.224"	DIA.	24"	BBL.	; 2.680"	C.O.L.
SR 4759	25.5	3345	53000		
IMR 4227	24.5	3295	52500		
IMR 4198	32.0	3685	53000		
IMR 3031	37.5	3845	51400		
IMR 4064	39.5	3895	52500		
IMR 4895	38.5	3805	52100		
IMR 4320	40.0	3790	53000		
IMR 4350	43.5C	3740	49100		
IMR 4831	43.5C	3560	41700		

.22-250 REMINGTON

REM. CASE; REM. 9 1/2 PR

SIERRA 50 GR. SPITZER

.224"	DIA.	24"	BBL.	; 2.350"	C.O.L.
SR 4759	23.0	3205	52500		
IMR 4227	21.5	3140	49300		
IMR 4198	28.5	3565	53000		
IMR 3031	35.0	3785	52700		
IMR 4064	35.0	3745	52100		
IMR 4895	36.0	3755	52700		
IMR 4320	37.0	3700	53000		
IMR 4350	40.0C	3565	47000		
IMR 4831	40.0C	3390	41600		

Velocity and pressure readings represent average values obtained under controlled conditions. The values shown may vary substantially with the components and the reloading techniques employed. We suggest the charge weights shown be reduced initially by 10% to compensate for possible variations from the published data. The loads may then be increased as pressure indications permit.

RIFLE

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)
6 MM REMINGTON				.25-06 REMINGTON				6.5 x 55 SWEDISH				.270 WINCHESTER			
REM. CASE; REM. 9 1/2 PR				REM. CASE; REM. 9 1/2 PR				REM. CASE; REM. 9 1/2 PR				REM. CASE; REM. 9 1/2 PR			
REM. 80 GR. PTD. SP				SIERRA 100 GR. SPITZER				140 GR SIERRA SPITZER B.T.,				REM. 150 GR. SPCL			
.243" DIA.; 22" BBL.; 2.790" C.O.L.				.257" DIA.; 24" BBL.; 3.090" C.O.L.				.264" DIA.; 24" BBL.; 3.000" C.O.L.				.277" DIA.; 24" BBL.; 3.250" C.O.L.			
SR 4759	24.5	2640	50600	SR 4759	30.0	2660	52100	IMR 3031	34.5	2355	45800	SR 4759	26.0	2045	51600
IMR 4227	24.5	2650	50200	IMR 4227	29.5	2645	52900	IMR 4064	37.5	2465	45600	IMR 4227	29.0	2215	51000
IMR 4198	31.5	3015	51500	IMR 4198	36.0	2905	52800	IMR 4895	36.5	2430	45000	IMR 4198	34.5	2460	21800
IMR 3031	39.5	3275	52000	IMR 3031	45.5	3215	53000	IMR 4320	37.5	2465	45500	IMR 3031	42.0	2690	51800
IMR 4064	41.0	3295	52000	IMR 4064	47.5	3240	52800	IMR 4350	42.5	2525	45400	IMR 4064	47.0	2770	51800
IMR 4895	36.5	3105	51300	IMR 4895	43.0	3110	52400	IMR 4831	43.5	2530	45800	IMR 4895	44.0	2715	52000
IMR 4320	40.0	3180	52000	IMR 4320	45.5	3125	52400	IMR 7828	47.5	2600	45000	IMR 4320	44.5	2700	51000
IMR 4350	46.0	3310	52000	IMR 4350	53.5	3290	52900	IMR 4350	53.5	2920	51800	IMR 4350	55.0	2920	51400
IMR 4831	48.0	3300	51900	IMR 4831	56.0	3335	53000	IMR 4831	59.0	2985	51000	IMR 7828	59.0C	2985	51000
6 MM REMINGTON				.25-06 REMINGTON				.264 WINCHESTER MAG.				7 x 57 MM MAUSER			
REM. CASE; REM. 9 1/2 PR				REM. CASE; REM. 9 1/2 PR				REM. CASE; REM. 9 1/2 PR				REM. CASE; REM. 9 1/2 PR			
REM. 100 GR. PTD. SPCL				SIERRA 120 GR. HOLLOW PT. BT				SIERRA 100 GR. HP				SPEER 130 GR. SPITZER			
.243" DIA.; 22" BBL.; 2.735" C.O.L.				.257" DIA.; 24" BBL.; 3.100" C.O.L.				.264" DIA.; 24" BBL.; 3.100" C.O.L.				.284" DIA.; 24" BBL.; 2.965" C.O.L.			
SR 4759	23.5	2400	51600	SR 4759	27.5	2315	52000	SR 4759	36.5	2845	53900	SR 4759	23.5	2055	46000
IMR 4227	23.5	2395	51500	IMR 4227	28.0	2370	53000	IMR 4227	36.5	2835	53600	IMR 4227	22.5	2080	44300
IMR 4198	29.0	2660	52000	IMR 4198	34.0	2615	51400	IMR 4198	43.5	3100	53900	IMR 4198	29.0	2365	45100
IMR 3031	36.5	2925	52000	IMR 3031	40.5	2800	52000	IMR 3031	48.0	3150	54000	IMR 3031	38.0	2640	45500
IMR 4064	38.0	2945	51000	IMR 4064	43.5	2885	52300	IMR 4064	51.5	3250	52900	IMR 4064	41.0	2675	44900
IMR 4895	35.5	2880	51600	IMR 4895	40.5	2805	52600	IMR 4895	51.5	3295	53800	IMR 4895	36.5	2540	45300
IMR 4320	37.0	2875	51300	IMR 4320	43.0	2850	51700	IMR 4320	54.0	3325	54000	IMR 4320	7.5	2540	46000
IMR 4350	43.5	3055	52000	IMR 4350	48.5	2950	51500	IMR 4350	60.0	3385	53900	IMR 4350	47.0	2710	45500
IMR 4831	45.5	3095	52000	IMR 4831	50.0	2945	52000	IMR 4831	61.5	3360	53600	IMR 4831	50.0C	2750	46000
IMR 7828	48.0C	3040	48000	IMR 7828	55.0	3105	52800	IMR 7828	65.0	3115	53600	IMR 7828	65.0	2625	46000
.250 SAVAGE				.257 ROBERTS				.264 WINCHESTER MAG.				7 x 57 MM MAUSER			
REM. CASE; REM. 9 1/2 PR				REM. CASE; REM. 9 1/2 PR				REM. CASE; REM. 9 1/2 PR				REM. CASE; REM. 9 1/2 PR			
SIERRA 87 GR. SPITZER				SIERRA 100 GR. SPITZER				SIERRA 140 GR. SPITZER BT				SPEER 145 GR. SPITZER			
.257" DIA.; 24" BBL.; 2.515" C.O.L.				.257" DIA.; BBL.; 2.775" C.O.L.				.264" DIA.; 24" BBL.; 3.230" C.O.L.				.284" DIA.; BBL.; 3.065" C.O.L.			
SR 4759	20.5	2515	44700	SR 4759	22.0	2315	45000	SR 4759	34.0	2400	54000	SR 4759	23.0	1835	45100
IMR 4227	21.5	2570	45000	IMR 4227	23.5	2930	44000	IMR 4227	34.5	2420	54000	IMR 4227	22.5	1840	44400
IMR 4198	27.5	2875	43900	IMR 4198	30.5	2720	45000	IMR 4198	39.5	2580	54000	IMR 4198	29.0	2260	45800
IMR 3031	34.0	3055	44200	IMR 3031	3.0	2935	44400	IMR 3031	44.0	2665	53700	IMR 3031	38.0	2530	46000
IMR 4064	35.5	3075	45000	IMR 4064	39.5	2945	44800	IMR 4064	46.0	2710	53600	IMR 4064	40.0	2555	45300
IMR 4895	34.5	3000	44900	IMR 4895	36.5	2850	45000	IMR 4895	45.5	2715	53600	IMR 4895	35.0	2475	46000
IMR 4320	35.5	2975	45000	IMR 4320	38.5	2860	45000	IMR 4320	47.5	2745	53900	IMR 4320	36.0	2365	45100
IMR 4350	39.0C	2905	39500	IMR 4350	44.5	2930	44600	IMR 4350	52.5	2850	53700	IMR 4350	47.0	2650	46000
IMR 4831	39.0C	2740	35400	IMR 4831	46.5	2950	44300	IMR 4831	54.5	2875	53600	IMR 4831	48.0C	2625	46000
.250 SAVAGE				.257 ROBERTS				.264 WINCHESTER MAG.				7 x 57 MM MAUSER			
REM. CASE; REM. 9 1/2 PR				REM. CASE; REM. 9 1/2 PR				REM. CASE; REM. 9 1/2 PR				REM. CASE; REM. 9 1/2 PR			
HORNADY 100 GR. SPIRE PT.				SIERRA 120 GR. HP BT				REM. 100 GR. PSP				SPEER 160 GR. SPITZER			
.257" DIA.; 24" BBL.; 2.515" C.O.L.				.257" DIA.; 24" BBL.; 2.775" C.O.L.				.277" DIA.; 24" BBL.; 3.075" C.O.L.				.284" DIA.; 24" BBL.; 3.065" C.O.L.			
SR 4759	20.0	2290	43700	SR 4759	20.5	2120	45000	SR 4759	30.5	2720	41200	SR 4759	22.5	1855	45700
IMR 4227	21.0	2380	43100	IMR 4227	22.0	2180	44400	IMR 4227	30.0	2711	51400	IMR 4227	22.5	1890	46000
IMR 4198	27.0	2685	45000	IMR 4198	27.5	2440	45000	IMR 4198	38.0	3050	51000	IMR 4198	28.5	2135	44900
IMR 3031	33.0	2865	44500	IMR 3031	33.0	2635	44200	IMR 3031	48.5	3320	51300	IMR 3031	38.0	2430	45800
IMR 4064	34.5	2875	44100	IMR 4064	35.5	2695	44000	IMR 4064	52.0	3400	50900	IMR 4064	40.0	2480	46000
IMR 4895	34.0	2845	45000	IMR 4895	33.5	2615	45000	IMR 4895	49.0	3310	52000	IMR 4895	35.0	2325	45800
IMR 4320	34.5	2785	45000	IMR 4320	34.5	2615	44800	IMR 4320	51.0	3340	51000	IMR 4320	36.0	2295	45200
IMR 4350	38.5C	2780	41400	IMR 4350	41.5	2780	45000	IMR 4350	57.5	3300	51500	IMR 4350	45.0	2510	45800
IMR 4831	38.5C	2615	37000	IMR 4831	44.0	2810	45000	IMR 4831	59.5C	3325	51300	IMR 4831	47.5C	2540	45600
IMR 7828	47.0C	2745	43900	IMR 7828	61.0C	3300	52000	IMR 7828	61.0C	3300	52000	IMR 7828	61.0C	3300	52000
.25-06 REMINGTON				6.5 x 55 SWEDISH				.270 WINCHESTER				.280 REMINGTON			
REM. CASE; REM. 9 1/2 PR				REM. CASE; REM. 9 1/2 PR				REM. CASE; REM. 9 1/2 PR				REM. CASE; REM. 9 1/2 PR			
SIERRA 87 GR. SPITZER				85 GR. SIERRA H.P.				NOSLER 130 GR. PARTITION				REM. 125 GR. PTD. SPCL			
.257" DIA. 24" BBL.; 3.100" C.O.L.				.264" DIA. 24" BBL.; 2.800" C.O.L.				.277" DIA. 24" BBL.; 3.250" C.O.L.				.283" DIA. 24" BBL.; 3.250" C.O.L.			
SR 4759	32.0	2935	51500	IMR 3031	43.5	3310	46000	SR 4759	27.5	2260	51300	SR 4759	30.0	2445	49700
IMR 4227	30.5	2895	51700	IMR 4064	47.0	3350	45000	IMR 4227	30.0	2435	51200	IMR 4227	28.5	2375	48400
IMR 4198	37.0	3135	53000	IMR 4895	46.0	3335	45900	IMR 4198	35.5	2660	51000	IMR 4198	36.0	2680	50000
IMR 3031	48.0	3500	53000	IMR 4320</td											

RIFLE

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)		
.280 REMINGTON																	
REM. CASE; REM. 9 1/2 PR				WIN. CASE; WIN. 8 1/2-120 PR				REM. CASE; REM. 6 1/2 PR				REM. CASE; REM. 9 1/2 PR					
REM. 150 GR. PTD. SPCL				SPEER 130 GR. SPITZER				HORNADY 100 GR. SHORT JACKET				SPEER 150 GR. SPITZER					
.284" DIA.; 24" BBL.; 3.325" C.O.L.				.284" DIA.; 24" BBL.; 2.800" C.O.L.				.308" DIA.; 18" BBL.; 1.760" C.O.L.				.308" DIA.; 24" BBL.; 2.600" C.O.L.					
SR 4759 29.5 2200 50000	SR 4759 30.0 2425 51900	IMR 4227 27.5 2115 49500	IMR 4198 34.5 2375 49200	IMR 3031 45.5 2745 48800	IMR 4064 48.0 2810 50000	IMR 4895 42.5 2635 49300	IMR 4320 44.5 2655 50000	IMR 4350 55.0 2895 50000	IMR 4831 57.0 2930 50000	IMR 4759 11.0C 1575 23700	IMR 4227 16.0C 2005 40000	IMR 4198 14.5C 1530 20700	SR 4759 23.5 2095 45500	IMR 4227 24.0 2105 44800	IMR 4198 30.0 2365 44100	IMR 3031 38.5 2575 44500	
IMR 4227 27.5 2115 49500	IMR 4227 30.0 2460 52300	IMR 4198 38.0 2775 52400	IMR 3031 48.0 3055 54000	IMR 4064 50.0 3085 54000	IMR 4895 45.0 2905 52800	IMR 4320 46.0 2890 52300	IMR 4350 57.0 3130 53600	IMR 4831 59.0C 3100 50600		IMR 4064 40.0 2565 45400	IMR 4895 40.0 2470 45900	IMR 4320 41.5 2555 46000	IMR 4350 44.0C 2415 39800	IMR 4831 44.0C 2260 36200			
IMR 4198 33.5 2295 49400	IMR 4198 34.5 2440 52500	IMR 3031 45.0 2660 52700	IMR 4064 47.0 2760 53700	IMR 4895 41.0 2584 53500	IMR 4320 43.5 2635 53900	IMR 4350 52.0C 2720 47700	IMR 4831 52.0C 2635 43800		IMR 4064 38.5 2395 45900	IMR 4895 38.5 2390 45700	IMR 4320 40.0 2390 46000	IMR 4350 44.0C 2350 41900	IMR 4831 44.0C 2240 39300				
IMR 3031 44.5 2615 49700	IMR 4064 46.5 2640 48800	IMR 4895 42.0 2525 49400	IMR 4320 44.0 2550 49900	IMR 4350 53.5 2750 49600	IMR 4831 55.5 2775 50000												
IMR 4064 46.5 2640 48800	IMR 4895 42.0 2525 49400	IMR 4320 44.0 2550 49900	IMR 4350 53.5 2750 49600	IMR 4831 55.5 2775 50000													
IMR 4895 42.0 2525 49400	IMR 4320 43.5 2635 53900	IMR 4350 52.0C 2720 47700	IMR 4831 52.0C 2635 43800														
IMR 4320 44.0 2550 49900	IMR 4350 52.0C 2720 47700	IMR 4831 52.0C 2635 43800															
IMR 4350 53.5 2750 49600	IMR 4831 55.5 2775 50000																
IMR 4831 55.5 2775 50000																	
.280 REMINGTON																	
REM. CASE; REM. 9 1/2 PR				WIN. CASE; WIN. 8 1/2-120 PR				REM. CASE; REM. 6 1/2 PR				REM. CASE; REM. 9 1/2 PR					
REM. 165 GR. SPCL				SPEER 160 GR. SPITZER				HORNADY 110 GR. RN				SPEER 180 GR. RN					
.284" DIA.; 24" BBL.; 3.325" C.O.L.				.284" DIA.; 24" BBL.; 2.800" C.O.L.				.308" DIA.; 18" BBL.; 1.680" C.O.L.				.308" DIA.; 24" BBL.; 2.600" C.O.L.					
SR 4759 29.0 2150 50000	SR 4759 27.5 2105 53500	IMR 4227 27.0 2050 50000	IMR 4198 33.5 2295 49400	IMR 3031 44.5 2615 49700	IMR 4064 46.5 2640 48800	IMR 4895 42.0 2525 49400	IMR 4320 44.0 2550 49900	IMR 4350 53.5 2750 49600	IMR 4831 55.5 2775 50000	SR 4759 11.0C 1545 26100	IMR 4227 15.0C 1900 40000	IMR 4198 14.5C 1495 20900	SR 4759 22.5 1910 45500	IMR 4227 23.0 1965 44800	IMR 4198 29.5 2190 45200	IMR 3031 37.0 2390 45900	
IMR 4227 27.0 2050 50000	IMR 4227 28.0 2170 52200	IMR 4198 34.5 2440 52500	IMR 3031 45.0 2660 52700	IMR 4064 47.0 2760 53700	IMR 4895 41.0 2584 53500	IMR 4320 43.5 2635 53900	IMR 4350 52.0C 2720 47700	IMR 4831 52.0C 2635 43800		IMR 4064 38.5 2395 45900	IMR 4895 38.5 2390 45700	IMR 4320 40.0 2390 46000	IMR 4350 44.0C 2350 41900	IMR 4831 44.0C 2240 39300			
IMR 4198 33.5 2295 49400	IMR 4198 34.5 2440 52500	IMR 3031 45.0 2660 52700	IMR 4064 47.0 2760 53700	IMR 4895 41.0 2584 53500	IMR 4320 43.5 2635 53900	IMR 4350 52.0C 2720 47700	IMR 4831 52.0C 2635 43800		IMR 4064 38.5 2395 45900	IMR 4895 38.5 2390 45700	IMR 4320 40.0 2390 46000	IMR 4350 44.0C 2350 41900	IMR 4831 44.0C 2240 39300				
IMR 3031 44.5 2615 49700	IMR 4064 46.5 2640 48800	IMR 4895 42.0 2525 49400	IMR 4320 44.0 2550 49900	IMR 4350 53.5 2750 49600	IMR 4831 55.5 2775 50000												
IMR 4064 46.5 2640 48800	IMR 4895 42.0 2525 49400	IMR 4320 44.0 2550 49900	IMR 4350 53.5 2750 49600	IMR 4831 55.5 2775 50000													
IMR 4895 42.0 2525 49400	IMR 4320 43.5 2635 53900	IMR 4350 52.0C 2720 47700	IMR 4831 52.0C 2635 43800														
IMR 4320 44.0 2550 49900	IMR 4350 52.0C 2720 47700	IMR 4831 52.0C 2635 43800															
IMR 4350 53.5 2750 49600	IMR 4831 55.5 2775 50000																
IMR 4831 55.5 2775 50000																	
7 MM-08 REMINGTON																	
REM. CASE; REM. 9 1/2 PR				REM. CASE; REM. 9 1/2 M PR				REM. CASE; REM. 9 1/2 PR				REM. CASE; REM. 9 1/2 PR					
HORNADY 139 GR. SPIRE PT.				HORNADY 120 GR. SPIRE PT.				HORNADY 150 GR. RN				HORNADY 110 GR. SPIRE PT.					
.284" DIA.; 24" BBL.; 2.800" C.O.L.				.284" DIA.; 24" BBL.; 3.290" C.O.L.				.308" DIA.; 20" BBL.; 2.550" C.O.L.				.308" DIA.; 23" BBL.; 2.600" C.O.L.					
SR 4759 26.5 2270 51800	SR 4759 36.5 2695 51900	IMR 4227 25.5 2285 51800	IMR 4198 32.0 2565 51500	IMR 3031 40.5 2830 51900	IMR 4064 42.5 2835 51300	IMR 4895 40.5 2790 51000	IMR 4320 41.5 2800 50400	IMR 4350 46.0C 2750 44200	IMR 4759 19.5 1840 37300	IMR 4227 20.0 1905 37500	IMR 4198 28.0 2210 37300	IMR 3031 35.5C 2370 37700	IMR 4064 37.5C 2350 37800	IMR 4895 35.5 2315 38000	IMR 4320 36.0 2240 37300	IMR 4350 38.5C 2080 29600	IMR 4831 38.5C 1925 24100
IMR 4227 25.5 2285 51800	IMR 4227 37.0 2705 51300	IMR 4198 44.0 2980 51000	IMR 3031 52.5 3180 51200	IMR 4064 55.5 3245 51200	IMR 4895 54.5 3215 52000	IMR 4320 55.5 3185 51400	IMR 4350 65.0 3300 51400	IMR 4831 68.5 3335 51400		IMR 4064 37.5C 2350 37800	IMR 4895 35.5 2315 38000	IMR 4320 36.0 2240 37300	IMR 4350 38.5C 2080 29600	IMR 4831 38.5C 1925 24100			
IMR 4198 32.0 2565 51500	IMR 4198 44.0 2980 51000	IMR 3031 52.5 3180 51200	IMR 4064 55.5 3245 51200	IMR 4895 54.5 3215 52000	IMR 4320 55.5 3185 51400	IMR 4350 65.0 3300 51400	IMR 4831 68.5 3335 51400		IMR 4064 37.5C 2350 37800	IMR 4895 35.5 2315 38000	IMR 4320 36.0 2240 37300	IMR 4350 38.5C 2080 29600	IMR 4831 38.5C 1925 24100				
IMR 3031 40.5 2830 51900	IMR 4064 42.5 2835 51300	IMR 4895 40.5 2790 51000	IMR 4320 41.5 2800 50400	IMR 4350 46.0C 2750 44200	IMR 4831 55.5 2775 50000												
IMR 4064 42.5 2835 51300	IMR 4895 40.5 2790 51000	IMR 4320 41.5 2800 50400	IMR 4350 46.0C 2750 44200	IMR 4831 55.5 2775 50000													
IMR 4895 40.5 2790 51000	IMR 4320 43.5 2635 53900	IMR 4350 52.0C 2720 47700	IMR 4831 52.0C 2635 43800														
IMR 4320 41.5 2800 50400	IMR 4350 65.0 3300 51400	IMR 4831 68.5 3335 51400															
IMR 4350 46.0C 2750 44200	IMR 4831 68.5 3335 51400																
IMR 4831 68.5 3335 51400																	
7 MM-08 REMINGTON																	
REM. CASE; REM. 9 1/2 PR				REM. 175 GR. PTD. SPCL				REM. CASE; REM. 170 GR. SPCL				REM. CASE; REM. 150 GR. PTD. SPCL					
SIEERRA 168 GR. MATCH KING HP				.284" DIA.; 24" BBL.; 3.290" C.O.L.				.308" DIA.; 20" BBL.; 2.520" C.O.L.				.308" DIA.; 23" BBL.; 2.700" C.O.L.					
.284" DIA.; 24" BBL.; 2.800" C.O.L.				SR 4759 34.0 2220 51200				SR 4759 18.0 1605 37300				SR 4759 27.5 2325 51500					
SR 4759 24.0 1995 50500	IMR 4227 35.5 2240 51800	IMR 4198 41.5 2440 52000	IMR 3031 47.5 2555 50700	IMR 4064 51.0 2645 51500	IMR 4895 50.0 2645 52000	IMR 4320 50.5 2665 52000	IMR 4350 59.5 2765 51800	IMR 4831 66.0 2910 52000	IMR 4227 19.0 1645 37700	IMR 4198 24.5 1915 38000	IMR 3031 32.0 2120 37700	IMR 4064 34.0C 2130 38000	IMR 4895 31.5 2045 38000	IMR 4320 33.5 2050 37300	IMR 4350 36.5C 1935 30200	IMR 4831 36.5C 1795 25100	
IMR 4227 23.5 2025 51400	IMR 4198 29.5 2290 51100	IMR 3031 37.0C 2515 50500	IMR 4064 38.0C 2475 46000	IMR 4895 38.0C 2535 51400	IMR 4320 40.0C 2590 51800	IMR 4350 40.0C 2365 39800	IMR 4831 40.0C 2255 34200		IMR 4198 24.5 2440 52000	IMR 3031 47.5 2555 50700	IMR 4064 51.0 2645 51500	IMR 4895 50.0 2645 52000	IMR 4320 50.5 2665 52000	IMR 4350 59.5 2765 51800	IMR 4831 66.0 2910 52000		
IMR 4198 29.5 2290 51100	IMR 3031 37.0C 2515 50500	IMR 4064 38.0C 2475 46000	IMR 4895 38.0C 2535 51400	IMR 4320 40.0C 2590 51800	IMR 4350 40.0C 2365 39800	IMR 4831 40.0C 2255 34200		IMR 4198 24.5 2440 52000	IMR 3031 47.5 2555 50700	IMR 4064 51.0 2645 51500	IMR 4895 50.0 2645 52000	IMR 4320 50.5 2665 52000	IMR 4350 59.5 2765 51800	IMR 4831 66.0 2910 52000			
IMR 3031 37.0C 2515 50500	IMR 4064 38.0C 2475 46000	IMR 4895 38.0C 2535 51400	IMR 4320 40.0C 2590 51800	IMR 4350 40.0C 2365 39800	IMR 4831 40.0C 2255 34200												
IMR 4064 38.0C 2475 46000	IMR 4895 38.0C 2535 51400	IMR 4320 40.0C 2590 51800	IMR 4350 40.0C 2365 39800	IMR 4831 40.0C 2255 34200													
IMR 4895 38.0C 2535 51400	IMR 4320 40.0C 2590 51800	IMR 4350 40.0C 2365 39800	IMR 4831 40.0C 2255 34														

RIFLE

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)
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.308 WINCHESTER

REM. CASE; REM. 9 1/2 PR			
REM. 180 GR. PTD. SPCL			
.308" DIA.; 23" BBL.; 2.725" C.O.L.			
SR 4759 26.5 2085 51200			
IMR 4227 27.0 2110 52000			
IMR 4198 33.5 2350 51600			
IMR 3031 41.5C 2550 51700			
IMR 4064 43.5C 2580 51700			
IMR 4895 42.5C 2540 50900			
IMR 4320 44.5C 2550 52000			
IMR 4350 46.0C 2365 38900			
IMR 4831 46.0C 2225 36900			

.30-06

WIN. CASE; WIN. 8 1/2-120 PR			
SPEER 150 GR. SPITZER			
.308" DIA.; 25.5" BBL.; 3.00" C.O.L.			
SR 4759 24.5 2080 37300			
IMR 4227 23.5 2090 37700			
IMR 4198 30.0 2355 38100			
IMR 3031 42.0 2695 39500			
IMR 4064 44.0 2695 39000			
IMR 4895 36.0 2435 39700			
IMR 4320 37.0 2420 39700			
IMR 4350 48.5C 2615 36300			
IMR 4831 48.5C 2430 29800			

.30-40 KRAG

WIN. CASE; WIN. 8 1/2-120 PR			
REM. 180 GR. SPCL			
.308" DIA.; 25.5" BBL.; 3.00" C.O.L.			
SR 4759 24.5 2080 37300			
IMR 4227 23.5 2090 37700			
IMR 4198 30.0 2355 38100			
IMR 3031 42.0 2695 39500			
IMR 4064 44.0 2695 39000			
IMR 4895 36.0 2435 39700			
IMR 4320 37.0 2420 39700			
IMR 4350 48.5C 2615 36300			
IMR 4831 48.5C 2430 29800			

.30-06

REM. CASE; REM. 9 1/2 PR			
SIEERRA 200 GR. MATCH KING HP			
.308" DIA.; 23" BBL.; 3.340" C.O.L.			
SR 4759 28.5 2000 49800			
IMR 4227 28.5 2045 50000			
IMR 4198 36.0 2285 48400			
IMR 3031 44.5 2450 49700			
IMR 4064 47.5 2530 49200			
IMR 4895 43.0 2445 49700			
IMR 4320 46.0 2445 48800			
IMR 4350 55.0C 2635 49900			
IMR 4831 58.0C 2660 49900			
IMR 7828 55.0C 2385 44100			

.30-40 KRAG

WIN. CASE; WIN. 8 1/2-120 PR			
REM. 180 GR. SPCL			
.308" DIA.; 25.5" BBL.; 3.00" C.O.L.			
SR 4759 24.0 1940 39100			
IMR 4227 23.0 1900 37800			
IMR 4198 29.5 2150 39800			
IMR 3031 38.0 2375 39300			
IMR 4064 41.0 2435 39000			
IMR 4895 35.5 2270 38800			
IMR 4320 35.5 2210 38100			
IMR 4350 46.0C 2445 38700			
IMR 4831 49.0C 2425 35900			

.30-06

REM. CASE; REM. 9 1/2 PR			
HORNADY 220 GR. RN			
.308" DIA.; 23" BBL.; 3.185" C.O.L.			
SR 4759 27.0 1835 50000			
IMR 4227 27.0 1850 50000			
IMR 4198 33.0 2055 48800			
IMR 3031 42.5 2300 49000			
IMR 4064 46.0 2370 50000			
IMR 4895 40.5 2230 50000			
IMR 4320 44.0 2295 49500			
IMR 4350 53.5C 2470 50000			
IMR 4831 56.0C 2490 49500			
IMR 7828 55.0C 2285 41900			

.30-06

REM. CASE; REM. 9 1/2 PR			
HORNADY 110 GR. SPIRE PT.			
.308" DIA.; 23" BBL.; 3.130" C.O.L.			
SR 4759 35.0 2820 49700			
IMR 4227 32.0 2730 49400			
IMR 4198 39.5 2980 49400			
IMR 3031 56.0 3365 49300			
IMR 4064 58.0C 3320 49400			
IMR 4895 54.5 3265 49300			
IMR 4320 57.5 3255 49100			
IMR 4350 59.0C 2960 36900			
IMR 4831 59.0C 2780 32500			

.300 H & H MAG.

REM. CASE; REM. 9 1/2 M PR			
REM. 180 GR. PTD. SPCL			
.308" DIA.; 24" BBL.; 3.350" C.O.L.			
SR 4759 40.0 2455 53600			
IMR 4227 37.0 2515 54000			
IMR 4198 44.0 2715 53500			
IMR 3031 60.0 3100 51000			
IMR 4064 64.0 3170 53800			
IMR 4895 55.0 2960 54000			
IMR 4320 58.0 2970 53700			
IMR 4350 73.0 3215 53600			
IMR 4831 75.5C 3200 53100			
IMR 7828 75.5C 3035 53500			

.300 H & H MAG.

REM. CASE; REM. 9 1/2 M PR			
REM. 220 GR. SPCL			
.308" DIA.; 24" BBL.; 3.575" C.O.L.			
SR 4759 36.5 2030 54000			
IMR 4227 35.5 2015 53600			
IMR 4198 42.0 2240 52600			
IMR 3031 52.5 2485 53300			
IMR 4064 56.5 2565 53300			
IMR 4895 51.5 2465 53300			
IMR 4320 54.0 2495 53000			
IMR 4350 65.0 2695 54000			
IMR 4831 67.0 2710 54000			

.300 WINCHESTER MAG.

WIN. CASE; WIN. 8 1/2-120 PR			
REM. 220 GR. SPCL			
.308" DIA.; 24" BBL.; 3.340" C.O.L.			
SR 4759 36.5 2115 52800			
IMR 4227 36.0 2090 54000			
IMR 4198 43.5 2310 53000			
IMR 3031 52.5 2505 54000			
IMR 4064 57.5 2575 53000			
IMR 4895 53.5 2525 53500			
IMR 4320 54.0 2520 53200			
IMR 4350 66.0 2690 53700			
IMR 4831 70.0C 2730 53100			
IMR 7828 70.0 2750 53000			

7.62 MM X 39

IMI CASE; CCI 200 PR			
SPEER 125 GR. SP; .311 DIA.			
20" BBL.; 2.180" C.O.L.			
IMR 4227 18.5 1995 44100			
IMR 4198 24.0 2250 42500			

7.62 MM X39

IMI CASE; CCI 200 PR			
REM. 150 GR. PSPCL; .308" DIA.			
20" BBL.; 2.210" C.O.L.			
IMR 4227 18.0 1885 44400			
IMR 4198 22.5 2070 43600			

8 X 57 MM MAUSER

WIN. CASE; WIN. 8 1/2-120 PR			
HORNADY 170 GR. RN			
.323" DIA.; 25" BBL.; 2.840" C.O.L.			
SR 4759 20.5 1855 37000			
IMR 4227 21.5 1860 36600			
IMR 4198 28.5 2225 37000			
IMR 3031 34.5 2335 37000			
IMR 4064 36.0 2305 37000			
IMR 4895 36.0 2310 37000			
IMR 4320 36.0 2270 36900			
IMR 4350 43.0 2315 36800			
IMR 4831 47.0 2325 36800			

.300 WINCHESTER MAG.

WIN. CASE; WIN. 8 1/2-120 PR			
SIERRA 200 GR. SPITZER BT			
.308" DIA.; 24" BBL.; 3.340" C.O.L.			
IMR 7828 71.0 2900 53800			

RIFLE

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)
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8 MM REMINGTON MAG.

REM. CASE; REM. 9 1/2 M PR
REM. 220 GR. PSPCL

.323" DIA.; 24" BBL.; 3.560" C.O.L.	SR 4759	42.0	2180	54000
IMR 4227	39.5	2185	51700	
IMR 4198	47.5	2400	5330	
IMR 3031	59.0	2620	53000	
IMR 4064	62.5	2700	53800	
IMR 4895	59.0	2615	51300	
IMR 4320	59.5	2595	51200	
IMR 4350	72.0	2795	53000	
IMR 4831	76.0	2745	53800	

.357 MAGNUM (RIFLE)

REM. CASE; REM. 5 1/2 PR
HORNADY 158 GR. HP

.357" DIA.; 18.5" BBL.; 1.590" C.O.L.	"Hi-Skor"	700-X	5.7	1185	35200
IMR 4227	36.5	PB	6.0	1160	35600
IMR 7625	6.5	SR 7625	1215	36000	
IMR 4756	8.0	SR 4756	1340	36000	
IMR 4227	16.3C	IMR 4227	1605	34900	

.35 WHELEN

REM. CASE; REM. 9 1/2 PR
REM. 200 GR. PSP

.358" DIA.; 24" BBL.; 3.075" C.O.L.	SR 4759	34.5	2265	51400
IMR 4227	36.5	IMR 4227	2290	51500
IMR 4198	46.0	IMR 4198	2595	51900
IMR 3031	55.0C	IMR 3031	2650	49000
IMR 4064	58.0C	IMR 4064	2700	50000
IMR 4895	58.0C	IMR 4895	2655	49400
IMR 4320	58.0C	IMR 4320	2640	51000
IMR 4350	60.0C	IMR 4350	2345	39100

.44 REMINGTON MAG.

REM. CASE; REM. 2 1/2 PR
REM. 240 GR. SP

.430" DIA.; 22" BBL.; 1.610" C.O.L.	SR 4759	21.0C	1630	38500
IMR 4227	23.5C	IMR 4227	1680	39500
IMR 4198	25.5C	IMR 4198	1515	26400
IMR 3031	27.0C	IMR 3031	1190	18900
IMR 4064	27.5C	IMR 4064	1145	16600
IMR 4895	28.0C	IMR 4895	1225	18300
IMR 4320	28.5C	IMR 4320	1200	20900
IMR 4350	27.0C	IMR 4350	850	13900
IMR 4831	27.0C	IMR 4831	720	12500

.338 WINCHESTER MAG.

WIN. CASE; WIN 8 1/2-120 PR
WIN. 200 GR. POWDER PT. SP

.338" DIA.; 25" BBL.; 3.330" C.O.L.	SR 4759	39.5	2335	54000
IMR 4227	38.0	IMR 4227	2300	53500
IMR 4198	47.5	IMR 4198	2565	53500
IMR 3031	61.0	IMR 3031	2860	54000
IMR 4064	64.0	IMR 4064	2920	54000
IMR 4895	61.0	IMR 4895	2880	53700
IMR 4320	63.0	IMR 4320	2875	54000
IMR 4350	73.0	IMR 4350	3030	53900
IMR 4831	76.0C	IMR 4831	3020	51000

.35 REMINGTON

REM. CASE; REM. 9 1/2 PR
REM. 150 GR. PTD. SPCL

.358" DIA.; 23" BBL.; 2.500" C.O.L.	SR 4759	23.0	1985	35000
IMR 4227	22.0	IMR 4227	1935	33600
IMR 4198	29.0	IMR 4198	2190	35000
IMR 3031	42.0C	IMR 3031	2390	34200
IMR 4064	43.0C	IMR 4064	2390	34200
IMR 4895	43.0C	IMR 4895	2340	34600
IMR 4320	42.5	IMR 4320	2295	34700
IMR 4350	43.5C	IMR 4350	1985	24100
IMR 4831	43.5C	IMR 4831	1850	21300

.35 WHELEN

REM. CASE; REM. 9 1/2 PR
HORNADY 250 GR. R.N.

.358" DIA.; 24" BBL.; 3.240" C.O.L.	SR 4759	32.5	1975	50600
IMR 4227	35.0	IMR 4227	2015	51600
IMR 4198	43.0	IMR 4198	2295	50000
IMR 3031	53.0C	IMR 3031	2480	51800
IMR 4064	55.5C	IMR 4064	2505	51900
IMR 4895	55.0C	IMR 4895	2475	51600
IMR 4320	55.0C	IMR 4320	2475	51300
IMR 4350	58.0C	IMR 4350	2265	41200

.444 MARLIN

REM. CASE; REM. 9 1/2 PR
REM. 240 GR. SP

.430" DIA.; 25" BBL.; 2.570" C.O.L.	SR 4759	33.0	2055	43600
IMR 4227	32.5	IMR 4227	2030	44000
IMR 4198	47.0	IMR 4198	2335	44000
IMR 3031	54.5C	IMR 3031	2175	35900
IMR 4064	54.5C	IMR 4064	2055	32200
IMR 4895	56.0C	IMR 4895	2200	38600
IMR 4320	56.0C	IMR 4320	2125	37500
IMR 4350	55.5C	IMR 4350	1775	24200

.338 WINCHESTER MAG.

REM. CASE; REM. 9 1/2 M PR
NOSLER 250 GR. SPITZER

.338" DIA.; 24" BBL.; 3.340" C.O.L.	IMR 7828	74.0C	2565	44400
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.338 WINCHESTER MAG.

REM. CASE; REM. 9 1/2 M PR
SPEER 275 GR. SPITZER

.338" DIA.; 24" BBL.; 3.340" C.O.L.	IMR 7828	71.0C	2430	43400
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.338 WINCHESTER MAG.

WIN. CASE; WIN. 8 1/2-120 PR
WIN. 300 GR. POWER PT. SP

.338" DIA.; 25" BBL.; 3.330" C.O.L.	SR 4759	34.5	1795	54000
IMR 4227	34.0	IMR 4227	1800	53600
IMR 4198	42.5	IMR 4198	2050	53500
IMR 3031	53.5	IMR 3031	2260	53800
IMR 4064	56.0	IMR 4064	2305	53800
IMR 4895	52.5	IMR 4895	2265	54000
IMR 4320	54.5	IMR 4320	2275	53700
IMR 4350	64.5	IMR 4350	2410	53800
IMR 4831	68.5C	IMR 4831	2480	54000

.358 WINCHESTER

WIN. CASE; WIN. 8 1/2-120 PR
WEST. 200 GR. SILVER TIP

.358" DIA.; 25" BBL.; 2.765" C.O.L.	SR 4759	29.5	2170	52000
IMR 4227	28.5	IMR 4227	2130	50800
IMR 4198	40.0	IMR 4198	2495	52000
IMR 3031	49.0C	IMR 3031	2630	51800
IMR 4064	49.0C	IMR 4064	2525	46200
IMR 4895	49.0C	IMR 4895	2565	50800
IMR 4320	51.0C	IMR 4320	3656	62800
IMR 4350	51.0C	IMR 4350	2270	37600
IMR 4831	51.0C	IMR 4831	2115	32300

.358 WINCHESTER

WIN. CASE; WIN. 8 1/2-120 PR
WEST. 250 GR. SILVER TIP

.358" DIA.; 25" BBL.; 2.780" C.O.L.	SR 4759	26.0	1845	51400
IMR 4227	26.5	IMR 4227	1860	52000
IMR 4198	32.5	IMR 4198	2045	51700
IMR 3031	42.0	IMR 3031	2260	50800
IMR 4064	44.0C	IMR 4064	2270	52000
IMR 4895	43.0	IMR 4895	2235	51200
IMR 4320	44.5	IMR 4320	2210	51400
IMR 4350	47.0C	IMR 4350	2115	41700
IMR 4831	47.0C	IMR 4831	1975	37100

.416 REMINGTON MAGNUM

REM. CASE; REM. 9 1/2 M PR
SWIFT 350 GR SSSP

<table

IMR 7828

WEATHERBY CARTRIDGES RELOADING DATA

CALIBER	PRIMER	BULLET	CARTRIDGE OVERALL LENGTH (IN.)	IMR POWDER	POWDER CHARGE GRAINS	VELOCITY FT/SEC	CHAMBER PRESSURE (CUP)
.240 Weatherby Magnum	Fed. 210	Hornady 70 gr. Spire Point	3.063	IMR 7828	56.0C	3505	47500
		Hornady 87 gr. Spire Point	3.063	IMR-7828	54.5C	3360	50700
		Nosler 100 gr. Spitzer	3.063	IMR-7828	53.5C	3240	52000
.257 Weatherby Magnum	Fed. 215	Hornady 87 gr. Spire Point	3.170	IMR-7828	74.5	3775	53500
		Nosler 100 gr. Spitzer	3.160	IMR-7828	73.0	3655	53100
		Hornady 117 gr. Boat Tail Spire Pt.	3.170	IMR-7828	70.0	3390	52600
		Nosler 120 gr. Spitzer	3.170	IMR-7828	69.0	3325	53000
.270 Weatherby Magnum	Fed. 215	Hornady 100 gr. Spire Point	3.250	IMR-7828	78.5C	3645	48200
		Nosler 130 gr. Spitzer	3.250	IMR-7828	76.0	3500	53000
		Hornady 140 gr. Boat Tail Spire Pt.	3.295	IMR-7828	73.5	3325	53000
		Nosler 150 gr. Spitzer	3.250	IMR-7828	72.0	3215	53600
		Hornady 139 gr. Flat Spire Point	3.068	IMR-7828	76.0C	3335	51500
7mm Weatherby Magnum	Fed. 215	Nosler 140 gr. Spitzer	3.250	IMR-7828	76.5C	3390	53300
		Hornady 154 gr. Spire Point	3.337	IMR-7828	74.5	3250	53400
		Nosler 160 gr. Spitzer	3.337	IMR-7828	73.5	3210	53500
		Hornady 175 gr. Spire Point	3.360	IMR-7828	70.5	2975	53000
		Nosler 150 gr. Spitzer	3.560	IMR-7828	89.0C	3425	49900
.300 Weatherby Magnum	Fed. 215	Nosler 180 gr. Spitzer	3.560	IMR-7828	86.0C	3240	52500
		Nosler 200 gr. Spitzer	3.560	IMR-7828	83.0C	3065	50600
		Hornady 220 gr. Round Nose	3.560	IMR-7828	81.0	2940	52400
		Nosler 210 gr. Spitzer	3.608	IMR-7828	90.5C	3070	51600
.340 Weatherby Magnum	Fed. 215	Hornady 225 gr. Spire Point	3.645	IMR-7828	89.0C	2965	51000
		Hornady 250 gr. Round Nose	3.658	IMR-7828	87.5C	2860	53100
		Speer 285 gr. Grand Slam	3.625	IMR-7828	117.0C	3060	51600
.378 Weatherby Magnum	Fed. 215	Hornady 300 gr. Round Nose	3.644	IMR-7828	118.0C	3055	53500
		Hornady 500 gr. Round Nose	3.720	IMR-7828	117.0C	2360	41900

Notes:

- Brass—Weatherby Factory Shells
- C = Compressed Load
- Barrel Length—26 inch
- All Nosler bullets used were partition type
- Recommended using only primer shown for each load

RIFLE DATA SHOWING CHAMBER PRESSURE IN PSI

IMR POWDER (grains)	CHARGE (ft/sec)	VELOCITY (ft/sec)	CHAMBER PRESS.(psi)	IMR POWDER (grains)	CHARGE (ft/sec)	VELOCITY (ft/sec)	CHAMBER PRESS.(psi)	IMR POWDER (grains)	CHARGE (ft/sec)	VELOCITY (ft/sec)	CHAMBER PRESS.(psi)	
243 WINCHESTER WIN. CASE; FED. 210 PR NOSLER 55 GR. BALLISTIC TIP .243" DIA.; 24" BBL.; 2.580" C.O.L. IMR 4064 44.0 3900 56000				25-06 REMINGTON REM. CASE; FED. 210 PR NOSLER 115 GR. BALLISTIC TIP .257" DIA.; 24" BBL.; 3.175" C.O.L. IMR 7828 55.5 3040 57000				260 REMINGTON REM. CASE; WIN. WLR PR SIERRA 120 GR. SPITZER .264" DIA.; 24" BBL.; 2.780" C.O.L. SR 4759 17.0 1755 37500 SR 4759 23.5 2280 57600				260 REMINGTON REM. CASE; WIN. WLR PR REM. 140 GR. PSPCL .264" DIA.; 24" BBL.; 2.780" C.O.L. SR 4759 18.0 1735 39800 SR 4759 23.0 2135 56500
243 WINCHESTER WIN. CASE; FED. 210 PR BARNES 85 GR. XBTLC .243" DIA.; 24" BBL.; 2.670" C.O.L. IMR 4350 45.0 3170 55000 IMR 4831 46.0 3170 54000				260 REMINGTON REM. CASE; WIN. WLR PR SIERRA 100 GR. HOLLOW PT. .264" DIA.; 24" BBL.; 2.700" C.O.L. IMR 3031 35.5 2995 57100 IMR 4064 39.5 3095 57000 IMR 4895 38.0 3045 57300				260 REMINGTON REM. CASE; WIN. WLR PR SIERRA 120 GR. SPITZER .264" DIA.; 24" BBL.; 2.780" C.O.L. IMR 3031 34.0 2720 57600 IMR 4064 37.0 2805 57700 IMR 4895 36.0 2770 57100				260 REMINGTON REM. CASE; WIN. WLR PR REM. 140 GR. PSPCL .264" DIA.; 24" BBL.; 2.780" C.O.L. IMR 4759 18.0 1735 39800 IMR 4759 23.0 2135 56500
243 WINCHESTER WIN. CASE; FED. 210 PR HORNADY 100 GR. SP .243" DIA.; 24" BBL.; 2.670" C.O.L. IMR 4350 38.2 2850 56000				260 REMINGTON REM. CASE; WIN. WLR PR HORNADY 129 GR. SPIRE PT. .264" DIA.; 24" BBL.; 2.780" C.O.L. IMR 3031 33.0 2590 56800 IMR 4064 36.5 2690 58300 IMR 4895 36.5 2725 58100				260 REMINGTON REM. CASE; WIN. WLR PR HORNADY 160 GR. RN .264" DIA.; 24" BBL.; 2.800" C.O.L. IMR 4350 40.5 2520 57400 IMR 4831 41.5 2520 57200 IMR 7828 45.0 2580 58100				
25-06 REMINGTON REM. CASE; FED. 210 PR BARNES 115 GR. X .257" DIA.; 24" BBL.; 3.175" C.O.L. IMR 7828 51.5 2900 57000				260 REMINGTON REM. CASE; WIN. WLR PR HORNADY 129 GR. SPIRE PT. .264" DIA.; 24" BBL.; 2.780" C.O.L. IMR 4320 36.5 2685 58600 IMR 4350 41.5 2765 57300 IMR 4831 43.0 2785 58300 IMR 7828 45.0 2775 57200				260 REMINGTON REM. CASE; WIN. WLR PR HORNADY 160 GR. RN .264" DIA.; 24" BBL.; 2.800" C.O.L. IMR 4350 40.5 2520 57400 IMR 4831 41.5 2520 57200 IMR 7828 45.0 2580 58100				

RIFLE

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS.(psi)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS.(psi)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS.(psi)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS.(psi)
270 WINCHESTER															
REM. CASE; FED. 210 PR				7 MM SHOOTING TIMES				30-06 SPRG				REM 300 ULTRA MAG			
SIERRA 140 GR. HPBT				WESTERNER				REM. CASE; FED. 210 PR				REM. CASE; FED. 215 PR			
.277" DIA.; 24" BBL.; 3.252" C.O.L.				REM. CASE; FED. 215 PR				SIERRA 180 GR. SPITZER BT				NOSLER 180 GR. PARTITION			
IMR 4831 55.0 2980 62000				SWIFT 160 GR. A-FRAME				.308" DIA.; 24" BBL.; 3.325" C.O.L.				.308" DIA.; 24" BBL.; 3.600" C.O.L.			
IMR 7828 56.5 2860 55000				.284" DIA.; 24" BBL.; 3.600" C.O.L.				IMR 4064 46.0 2600 55000				IMR 7828 87.0 3140 61000			
7MM REMINGTON MAG															
REM. CASE; FED. 215 PR				308 WINCHESTER				300 WINCHESTER MAG				REM 300 ULTRA MAG			
BARNES 140 GR. XBTLC				REM. CASE; FED. 210 PR				WIN. CASE; FED. 215 PR				REM. CASE; FED. 215 PR			
.284" DIA.; 24" BBL.; 3.270" C.O.L.				NOSLER 150 GR. BALLISTIC TIP				NOSLER 165 GR. PARITION				NOSLER 200 GR. PARTITION			
IMR 4350 65.3 3060 58000				.308" DIA.; 24" BBL.; 2.755" C.O.L.				.308" DIA.; 24" BBL.; 3.330" C.O.L.				.308" DIA.; 24" BBL.; 3.600" C.O.L.			
IMR 4831 66.5 3040 56000				IMR 3031 41.5 2750 57000				IMR 4350 71.5 3110 61000				IMR 7828 85.8 2990 61000			
IMR 7828 72.3c 3100 58000				308 WINCHESTER				IMR 4831 73.0 3100 61000				338 WINCHESTER MAG			
7MM REMINGTON MAG				REM. CASE; FED. 210 PR				300 WINCHESTER MAG				WIN. CASE; FED. 215 PR			
REM. CASE; FED. 215 PR				BARNES 165 GR. X				WIN. CASE; FED. 215 PR				NOSLER 210 GR. PARTITION			
NOSLER 150 GR. BALLISTIC TIP				.308" DIA.; 24" BBL.; 2.800" C.O.L.				SIERRA 165 GR. HPBT				.338" DIA.; 24" BBL.; 3.300" C.O.L.			
.284" DIA.; 24" BBL.; 3.290" C.O.L.				IMR 4064 42.5 2600 58000				.308" DIA.; 24" BBL.; 3.330" C.O.L.				IMR 4350 68.7 2830 60000			
IMR 4350 60.6 2940 56000				308 WINCHESTER				IMR 4350 70.5 3080 59000				IMR 4831 72.0 2860 60000			
IMR 4831 63.2 2960 57000				REM. CASE; FED. 210 PR				IMR 4831 73.2 3100 61000				IMR 7828 75.0c 2790 56000			
IMR 7828 68.2 3000 57000				NOSLER 165 GR. BALLISTIC TIP				IMR 7828 79.3 3110 60000				338 WINCHESTER MAG			
7MM REMINGTON MAG				.308" DIA.; 24" BBL.; 2.755" C.O.L.				300 WINCHESTER MAG				WIN. CASE; FED. 215 PR			
REM. CASE; FED. 215 PR				IMR 4064 43.0c 2640 57000				WIN. CASE; FED. 215 PR				NOSLER 250 GR. PARTITION			
SWIFT 150 GR. SCIROCCO				308 WINCHESTER				SIERRA 165 GR. PARTITION				.338" DIA.; 24" BBL.; 3.325" C.O.L.			
.284" DIA.; 24" BBL.; 3.270" C.O.L.				REM. CASE; FED. 210 PR				.308" DIA.; 24" BBL.; 3.330" C.O.L.				IMR 4350 65.2 2560 60000			
IMR 4350 58.8 2930 56000				SIERRA 165 GR. HPBT				IMR 4350 69.0 2970 61000				IMR 4831 67.0 2570 61000			
IMR 4831 62.0 2940 57000				.308" DIA.; 24" BBL.; 2.755" C.O.L.				IMR 4831 71.5 2950 59000				IMR 7828 71.0c 2590 59000			
IMR 7828 67.1 2980 56000				IMR 4064 42.5 2640 57000				300 WINCHESTER MAG				338 WINCHESTER MAG			
7MM REMINGTON MAG				30-06 SPRG				WIN. CASE; FED. 215 PR				WIN. CASE; FED. 215 PR			
REM. CASE; FED. 215 PR				REM. CASE; FED. 210 PR				SWIFT 180 GR. A-FRAME				NOSLER 250 GR. PARTITION			
NOSLER 160 GR. PARTITION				NOSLER 150 GR. BALLISTIC TIP				.308" DIA.; 24" BBL.; 3.310" C.O.L.				.338" DIA.; 24" BBL.; 3.325" C.O.L.			
.284" DIA.; 24" BBL.; 3.290" C.O.L.				.308" DIA.; 24" BBL.; 3.300" C.O.L.				IMR 4350 70.0 2970 58000				IMR 4350 65.0 2560 60000			
IMR 4350 58.7 2880 57000				IMR 4350 59.0c 2960 57000				IMR 4831 71.5 2950 59000				IMR 4831 66.8 2550 60000			
IMR 4831 60.2 2860 56000				30-06 SPRG				IMR 7828 77.0c 2930 56000				IMR 7828 71.5c 2590 59000			
IMR 7828 66.0 2940 57000				REM. CASE; FED. 210 PR				300 WINCHESTER MAG				45-70 GOVT			
7MM REMINGTON MAG				SWIFT 160 GR. A-FRAME				WIN. CASE; FED. 215 PR				FED. CASE; FED. 210 PR			
REM. CASE; FED. 215 PR				.284" DIA.; 24" BBL.; 3.250" C.O.L.				SWIFT 180 GR. SCIROCCO				HORNADY 300 GR. HP			
SWIFT 160 GR. A-FRAME				IMR 4350 56.0 2760 56000				.308" DIA.; 24" BBL.; 3.340" C.O.L.				.458" DIA.; 2.540" C.O.L.			
.284" DIA.; 24" BBL.; 3.250" C.O.L.				30-06 SPRG				IMR 4350 67.8 2930 60000				IMR 4198 41.2 1900 27000			
IMR 7828 66.5 2940 59000				REM. CASE; FED. 210 PR				IMR 4831 69.7 2930 60000				IMR 3031 54.0 1960 28000			
7 MM SHOOTING TIMES				SWIFT 165 GR. A-FRAME				300 WINCHESTER MAG				45-70 GOVT			
WESTERNER				.308" DIA.; 24" BBL.; 3.205" C.O.L.				WIN. CASE; FED. 215 PR				FED. CASE; FED. 210 PR			
REM. CASE; FED. 215 PR				IMR 4350 56.0 2760 55000				SWIFT 180 GR. A-FRAME				NOSLER 300 GR. FN PARTITION			
BARNES 120 GR. XFB				30-06 SPRG				.308" DIA.; 24" BBL.; 3.310" C.O.L.				.458" DIA.; 2.500" C.O.L.			
.284" DIA.; 24" BBL.; 3.580" C.O.L.				REM. CASE; FED. 210 PR				IMR 4350 70.0 2970 58000				IMR 4198 41.2 1880 28000			
IMR 4350 73.0 3460 63000				SWIFT 165 GR. SCIROCCO				IMR 4831 71.5 2950 59000				IMR 3031 51.5 1890 27000			
IMR 4831 74.0 3445 63400				.308" DIA.; 24" BBL.; 3.215" C.O.L.				IMR 7828 77.0c 2930 56000				45-70 GOVT			
IMR 7828 80.0 3495 62900				REM. CASE; FED. 210 PR				30-06 SPRG				FED. CASE; FED. 210 PR			
7 MM SHOOTING TIMES				SWIFT 165 GR. A-FRAME				SWIFT 180 GR. SCIROCCO				NOSLER 300 GR. FN PARTITION			
WESTERNER				.308" DIA.; 24" BBL.; 3.205" C.O.L.				.458" DIA.; 2.530" C.O.L.				.458" DIA.; 2.500" C.O.L.			
REM. CASE; FED. 215 PR				IMR 4350 56.0 2790 55000				IMR 4350 67.8 2930 60000				IMR 4198 43.0 1940 26000			
NOSLER 140 GR. BALLISTIC TIP				30-06 SPRG				IMR 4831 69.7 2930 60000				IMR 3031 55.2 2010 28000			
.284" DIA.; 24" BBL.; 3.580" C.O.L.				REM. CASE; FED. 210 PR				300 WINCHESTER MAG				*Note - These loads must not be used			
IMR 4350 71.5 3285 62700				SWIFT 165 GR. A-FRAME				WIN. CASE; FED. 215 PR				in any trapdoor single shot			
IMR 4831 74.0 3285 62500				.308" DIA.; 24" BBL.; 3.205" C.O.L.				SWIFT 180 GR. SCIROCCO				rifle.			
IMR 7828 79.5 3335 62100				IMR 4064 44.7 2460 55000				.308" DIA.; 24" BBL.; 3.340" C.O.L.							
7 MM SHOOTING TIMES				IMR 4350 53.0 2590 57000				IMR 4064 45.5 2530 56000							
WESTERNER				IMR 4831 54.3c 2580 56000				IMR 4350 53.5 2630 56000							
REM. CASE; FED. 215 PR				30-06 SPRG				IMR 4064 54.0 2600 55000							
NOSLER 150 GR. BALLISTIC TIP				REM. CASE; FED. 210 PR				IMR 4831 82.9 3060 60000							
.284" DIA.; 24" BBL.; 3.580" C.O.L.				SWIFT 180 GR. PARTITION				IMR 7828 88.6 3100 59000							
IMR 4350 67.5 3110 62300				.308" DIA.; 24" BBL.; 3.290" C.O.L.											
IMR 4831 69.5 3110 61700				REM. CASE; FED. 210 PR											
IMR 7828 77.0 3190 61600				SWIFT 180 GR. SCIROCCO											
REM 300 ULTRA MAG				30-06 SPRG				.308" DIA.; 24" BBL.; 3.600" C.O.L.							
REM. CASE; FED. 215 PR				REM. CASE; FED. 210 PR				IMR 4350 68.7 2830 60000							
SWIFT 180 GR. SCIROCCO				SWIFT 180 GR. A-FRAME				IMR 4831 82.9 3060 60000							
.308" DIA.; 24" BBL.; 3.600" C.O.L.				.308" DIA.; 24" BBL.; 3.565" C.O.L.				IMR 7828 88.6 3100 59000							

HANDGUN

IMPORTANT: Recommended uses of IMR powder relate only to the appropriate IMR powder and not to those available from other firms. Although the four digit numerical designations of other manufacturers' products may be identical to those preceded by the IMR prefix, the powders are different. To avoid potential confusion, gun damage and personal injury, therefore, handloaders should be careful to note the prefix of recommended powder designations.

Great care must be taken to insure that the correct ammunition is used in your gun.

KEY TO ABBREVIATIONS FOR HANDGUN DATA

BB	Bevel Base	GC	Gas Check	PSP	Pointed Soft Point
BRPR	Bench Rest Primer	HC	Hollow Cavity	RN	Round Nose
BT	Boat Tail	HP	Hollow Point	SJ	Semi-Jacketed
C	Compressed Charge	J	Jacketed	SP	Soft Point
C.O.L.	Cartridge Overall Length	M	Magnum	SWC	Semi-Wadcutter
FMJ	Full Metal Jacket	MC	Metal Case	WC	Wadcutter
FP	Flat Point	PR	Primer		

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)

.22 REMINGTON JET CF MAG.

REM. CASE; REM. 6 1/2 PR

REM. 40 GR. (J)

.222" DIA.; 10.0" BBL.; 1.645" C.O.L.

"Hi-Skor"

700-X	4.7	1755	32000
PB	5.1	1690	32200
SR 7625	5.3	1745	31200
SR 4756	6.7	1925	31200
IMR 4227	13.5	2290	32900

.221 REMINGTON FIREBALL

REM. CASE; REM. 7 1/2 BR PR

REM. 45 GR. PSP; .224" DIA.;

10.75" PISTOL BBL.; 1.800" C.O.L.

"Hi-Skor"

700-X	6.5	1950	51800
PB	7.58	1990	50600
SR 7625	7.8	2010	51700
SR 4756	8.3	2105	52000
"Hi-Skor"			
800-X	9.4	2370	51600
SR 4759	13.20	2235	36200
IMR 4227	14.9	2535	50000
IMR 4198	17.7C	2575	44500
IMR 3031	17.8C	2015	26800
IMR 4064	18.0C	1905	24700
IMR 4895	18.6C	2055	28600

.221 REMINGTON FIREBALL

REM. CASE; REM. 7 1/2 BR PR

REM. 50 GR. PSP; .224" DIA.;

10.75" PISTOL BBL.; 1.825" C.O.L.

"Hi-Skor"

700-X	6.0	1775	51700
PB	7.1	1835	51800
SR 7625	7.1	1850	52000
SR 4756	7.7	1925	51200
"Hi-Skor"			
800-X	9.1	2265	51700
SR 4759	12.7C	2105	38000
IMR 4227	14.7	2390	51400
IMR 4198	16.7C	2380	44000
IMR 3031	17.3C	1960	28200
IMR 4064	17.5C	1835	27500
IMR 4895	18.1C	1995	29900

.221 REMINGTON FIREBALL

REM. CASE; REM. 7 1/2 BR PR

REM. 55 GR. PSP; .224" DIA.;

10.75" PISTOL BBL.; 1.825" C.O.L.

"Hi-Skor"

700-X	5.8	1655	51300
PB	6.6	1700	51800
SR 7625	6.6	1710	51500
SR 4756	7.2	1790	51600
"Hi-Skor"			
800-X	8.9	2135	50700
SR 4759	12.2C	2000	37700
IMR 4227	14.4	2315	51700
IMR 4198	16.4C	2315	51700
IMR 3031	16.8C	1900	28000
IMR 4064	17.0C	1740	26300
IMR 4895	17.5C	19.5	28700

.221 REMINGTON FIREBALL

REM. CASE; REM. 7 1/2 BR PR

SPEER 70 GR. SEMI SPITZER;

.224" DIA.; 10.75" PISTOL BBL.;

1.740" C.O.L.

"Hi-Skor"

700-X	5.6	1455	50700
PB	6.2	1490	51300
SR 7625	6.3	1510	51500
SR 4756	7.0	1580	51100
"Hi-Skor"			
800-X	7.9	1790	52000
SR 4759	10.8C	1790	52000
IMR 4227	12.5	2015	51500
IMR 4198	14.7C	2045	43200
IMR 3031	14.7C	1685	25900
IMR 4064	15.0C	1575	24200
IMR 4895	15.5C	1725	29100

.357 MAGNUM

.357 MAGNUM

REM. CASE; REM. 5 1/2 DIA.;

HORNADY 110 GR. JHP; .357" DIA.;

6.0" REVOLVER BBL.; 1.590" C.O.L.

"Hi-Skor"

700-X	6.6	1165	35600
PB	7.6	1195	36000
SR 7625	7.9	1230	35600
SR 4756	9.5	1330	35800
"Hi-Skor"			
800-X	10.9	1475	33600
IMR 4227	21.0C	1510	35600

.357 MAGNUM

REM. CASE; REM. 5 1/2 PR

REM. 148 GR. LEAD WC; .358" DIA.;

6.0" REVOLVER BBL.; 1.325" C.O.L.

"Hi-Skor"

700-X	3.0	4705	14900
PB	3.3	705	10500
SR 7625	3.5	705	9100
"Hi-Skor"			
800-X	4.5	715	14100

.357 MAGNUM

REM. CASE; REM. 5 1/2 PR

REM. 125 GR. SJHP; .357" DIA.;

6.0" REVOLVER BBL.; 1.580" C.O.L.

"Hi-Skor"

700-X	6.2	1075	36000
PB	6.8	1060	35800
SR 7625	7.4	1100	35800
SR 4756	8.6	1180	35800
"Hi-Skor"			
800-X	10.2	1360	35300
IMR 4227	18.5C	1325	34500

.357 MAGNUM

REM. CASE; REM. 5 1/2 PR

SPEER 140 GR. JHP; .357" DIA.;

6.0" REVOLVER BBL.; 1.590" C.O.L.

"Hi-Skor"

700-X	6.0	960	35700
PB	6.4	910	36000
SR 7625	7.0	955	36000
SR 4756	8.2	1025	35500
"Hi-Skor"			
800-X	9.7	1230	35200
IMR 4227	17.2	1210	35700

.357 MAGNUM

REM. CASE; REM. 5 1/2 PR

SPEER 146 GR. JHP; .357" DIA.;

6.0" REVOLVER BBL.; 1.500" C.O.L.

"Hi-Skor"

700-X	5.2	915	35600
PB	5.6	885	36000
SR 7625	6.2	945	35600
SR 4756	7.9	1060	36000
"Hi-Skor"			
800-X	9.2	1215	36000
IMR 4227	14.9	1100	34500

.357 MAGNUM

REM. CASE; REM. 5 1/2 PR

REM. 158 GR. LEAD SWC; .358" DIAL.;

6.0" REVOLVER BBL.; 1.580" C.O.L.

"Hi-Skor"

700-X	5.5	980	35600
PB	5.9	985	35700
SR 7625	6.5	1020	35800
SR 4756	7.7	111	35800
"Hi-Skor"			
800-X	8.9	1215	36000
IMR 4227	15.8	1205	35800

HANDGUN

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (psi)
.357 MAGNUM															
REM. CASE; REM. 5 1/2 PR				REM. CASE; REM. 11 1/2 PR				REM. CASE; REM. 11 1/2 PR				REM. CASE; REM. 2 1 1/2 PR			
REM. 158 GR. SJHP; .357" DIA.;				SPEER 140 GR. JHP; .357" DIA.;				HORNADY 158 GR. JFP; .357" DIA.;				REM. 155 GR. JHP; .400" DIA.			
6.0" REVOLVER BBL.; 1.580" C.O.L.				6.0" REVOLVER BBL.; 1.455" C.O.L.				6.0" REVOLVER BBL.; 1.465" C.O.L.				5.0" BBL.; 1.250" C.O.L.			
"Hi-Skor"				"Hi-Skor"				"Hi-Skor"				"Hi-Skor"			
700-X 5.2 885 35800				700-X 3.7 730 15900				700-X 3.4 585 15300				700-X 6.4 1220 34300			
PB 5.7 875 36000				PB 4.2 735 15700				PB 3.9 620 16000				PB 7.2 1235 35000			
IMR 7625 6.2 855 35700				SR 7625 4.6 480 15800				SR 7625 4.3 660 15700				SR 7625 7.8 1275 34300			
SR 4756 7.5 940 35700				SR 4756 5.6 765 16000				SR 4756 5.2 705 15300				SR 4756 8.5 1310 34400			
"Hi-Skor"				"Hi-Skor"				"Hi-Skor"				"Hi-Skor"			
800-X 8.6 1080 35400				800-X 6.0 830 15700				800-X 5.5 695 15400				800-X 9.8 1350 30000			
IMR 4227 15.3C 1075 36000				IMR 4227 10.3 800 15600				IMR 4227 9.7 705 15900							
.357 MAGNUM															
REM. CASE; REM 5 1/2 PR				REM. CASE; REM. 11 1/2 PR				REM. CASE; REM. 11 1/2 PR				REM. CASE; REM. 2 1 1/2 PR			
SIERRA 170 GR. SILHOUETTE FMJ; .357" DIA.; 6.0" REVOLVER BBL.; 1.580" C.O.L.				SPEER 146 GR. JHP; .357" DIA.;				REM. 158 GR. LEAD RN; .358" DIA.;				WIN. 180 GR. JHP; .400 DIA.			
"Hi-Skor"				6.0" REVOLVER BBL.; 1.395" C.O.L.				6.0" REVOLVER BBL.; 1.520" C.O.L.				5.0" BBL.; 1.250" C.O.L.			
700-X 4.8 795 35600				"Hi-Skor"				"Hi-Skor"				"Hi-Skor"			
PB 5.1 785 35600				700-X 3.5 725 15900				700-X 3.0 740 11700				700-X 6.0 1105 34400			
SR 7625 5.6 815 35600				PB 3.9 725 15700				"Hi-Skor"				PB 6.4 1105 34900			
SR 4756 7.1 885 35600				SR 7625 4.2 740 15600				700-X 3.6 790 15800				SR 7625 7.0 1140 35100			
"Hi-Skor"				SR 4756 5.2 840 15600				PB 3.4 745 11700				SR 4756 7.6 1155 34400			
800-X 8.3 1030 35500				"Hi-Skor"				PB 4.0 775 15500				"Hi-Skor"			
IMR 4227 13.7 985 35500				800-X 5.8 805 15400				SR 7625 3.7 745 10000				800-X 8.7 1210 30000			
.357 MAGNUM															
REM. CASE; REM. 5 1/2 PR				REM. CASE; REM. 11 1/2 PR				REM. CASE; REM. 11 1/2 PR				REM. CASE; REM. 2 1 1/2 PR			
REM. 200 GR. LEAD RN; .358" DIA.;				SPEER 148 GR. LEAD BBWC; .358" DIA.; 6.0" REVOLVER BBL.; 1.295" C.O.L.				REM. 158 GR. LEAD SWC; .358" DIA.;				HORNADY 200 GR. HP/XTP; .400 DIA.			
6.0" REVOLVER BBL.; 1.590" C.O.L.				"Hi-Skor"				6.0" REVOLVER BBL.; 1.550" C.O.L.				5.0" BBL.; 1.250" C.O.L.			
"Hi-Skor"				700-X 2.6 710 87000				"Hi-Skor"				"Hi-Skor"			
700-X 4.3 795 35800				"Hi-Skor"				700-X 3.5 850 16000				700-X 5.2 975 33000			
PB 4.6 780 35700				PB 2.8 705 8400				PB 2.8 705 8400				PB 5.5 970 34300			
SR 7625 5.1 795 35700				PB 3.8 855 15800				SR 7625 3.2 715 8200				SR 7625 6.2 1040 35700			
SR 4756 6.2 885 35900				SR 7625 4.2 845 16000				SR 7625 4.2 845 16000				SR 4756 6.6 1045 35800			
"Hi-Skor"				"Hi-Skor"				"Hi-Skor"				"Hi-Skor"			
800-X 7.5 995 36000				800-X 4.3 710 8600				700-X 3.5 790 15400				800-X 7.8 1130 32500			
IMR 4227 12.5 955 35500				"Hi-Skor"				PB 3.6 750 12200							
.38 SPECIAL															
REM. CASE; REM. 11 1/2 PR				REM. CASE; REM. 11 1/2 PR				REM. CASE; REM. 11 1/2 PR				REM. CASE; WIN WSP PR			
REM. 95 GR. SJHP; .357" DIA.;				REM. 148 GR. LEAD WC; .358" DIA.;				REM. 158 GR. LEAD SWC; .358" DIA.;				NOSLER 135 GR. HP; .400" DIA.			
6.0" REVOLVER BBL.; 1.470" C.O.L.				6.0" REVOLVER BBL.; 1.225" C.O.L.				6.0" REVOLVER BBL.; 1.550" C.O.L.				4.0" PISTOL BBL.; 1.125" C.O.L.			
"Hi-Skor"				"Hi-Skor"				"Hi-Skor"				"Hi-Skor"			
700-X 4.6 1025 15600				700-X 2.4 715 8800				700-X 3.2 745 13100				700-X 6.2 1210 32900			
PB 5.1 1055 15600				PB 2.7 710 7900				"Hi-Skor"				PB 7.5 1230 31000			
SR 7625 5.6 1065 15700				SR 7625 2.9 700 6900				700-X 3.6 750 12200				SR 7625 7.8 1250 30200			
SR 4756 6.5 1080 15900				"Hi-Skor"				PB 4.0 800 15800				SR 4756 9.0 1285 30000			
"Hi-Skor"				800-X 4.0 705 9400				SR 7625 3.8 750 11000				"Hi-Skor"			
800-X 7.8 1195 15700				"Hi-Skor"				SR 7625 4.5 790 16000				800-X 10.5 1305 24000			
IMR 4227 11.9 1090 15900				"Hi-Skor"				"Hi-Skor"							
.38 SPECIAL															
REM. CASE; REM. 11 1/2 PR				REM. CASE; REM. 11 1/2 PR				REM. CASE; REM. 11 1/2 PR				REM. CASE; WIN WSP PR			
HORNADY 110 GR. HP; .357" DIA.;				REM. 200 GR. LEAD RN; .358" DIA.;				REM. 158 GR. LEAD SWC; .358" DIA.;				SIERRA 150 FR. JHP; .400" DIA.			
6.0" REVOLVER BBL.; 1.460" C.O.L.				6.0" REVOLVER BBL.; 1.225" C.O.L.				6.0" REVOLVER BBL.; 1.500" C.O.L.				4.0" PISTOL BBL.; 1.125" C.O.L.			
"Hi-Skor"				"Hi-Skor"				"Hi-Skor"				"Hi-Skor"			
700-X 4.2 970 15400				700-X 2.4 715 8800				700-X 3.0 725 15000				700-X 5.5 1120 34000			
PB 4.8 990 15200				PB 2.7 710 7900				PB 3.4 760 15800				PB 6.5 1135 33500			
SR 7625 5.5 1060 15400				SR 7625 2.9 700 6900				SR 7625 3.5 755 15800				SR 7625 7.2 1165 32500			
SR 4756 6.2 1040 15600				"Hi-Skor"				SR 4756 4.3 740 15700				SR 4756 7.8 1195 32700			
"Hi-Skor"				700-X 3.5 755 15900				"Hi-Skor"				"Hi-Skor"			
800-X 7.2 1095 15800				PB 4.0 765 15900				800-X 4.6 725 15500				800-X 8.8 1205 25000			
IMR 4227 11.1 1020 15800				SR 7625 4.3 770 15700				IMR 4227 9.2 870 15900							
.38 SPECIAL															
REM. CASE; REM. 11 1/2 PR				REM. CASE; REM. 11 1/2 PR				REM. CASE; REM. 11 1/2 PR				REM. CASE; WIN WSP PR			
REM. 125 GR. SJHP; .357" DIA.;				REM. 148 GR. LEAD WC; .358" DIA.;				REM. 158 GR. LEAD SWC; .358" DIA.;				HORNADY 180 GR. HP/XTP; .400" DIA.			
6.0" REVOLVER BBL.; 1.525" C.O.L.				6.0" REVOLVER BBL.; 1.445" C.O.L.				6.0" REVOLVER BBL.; 1.500" C.O.L.				4.0" PISTOL BBL.; 1.125" C.O.L.			
"Hi-Skor"				"Hi-Skor"				"Hi-Skor"				"Hi-Skor"			
700-X 4.1 840 15600				700-X 2.4 715 8800				700-X 3.0 725 15000				700-X 4.6 970 34600			
PB 4.6 865 15500				PB 2.7 710 7900				PB 3.4 760 15800				PB 5.1 975 34400			
SR 7625 5.3 935 15900				SR 7625 2.9 700 6900				SR 7625 3.5 755 15800				SR 7625 5.7 990 33300			
SR 4756 6.1 925 15900				"Hi-Skor"				SR 4756 4.3 740 15700				SR 4756 6.0 1000 33100			
"Hi-Skor"				700-X 3.5 755 15900				"Hi-Skor"				"Hi-Skor"			
800-X 6.9 980 15500				PB 4.0 765 15900				800-X 4.6 725 15500				800-X 7.2 1030 26000			
IMR 4227 10.8 930 16000				SR 7625 4.3 770 15700				IMR 4227 9.2 870 15900							
.38 SPECIAL															
REM. CASE; REM. 11 1/2 PR				REM. CASE; REM. 11 1/2 PR				REM. CASE; REM. 11 1/2 PR				REM. CASE; WIN WSP PR			
REM. 125 GR. SJHP; .357" DIA.;				REM. 148 GR. LEAD WC; .358" DIA.;				REM. 158 GR. LEAD SWC; .358" DIA.;				HORNADY 200 GR. TMJ; .400" DIA.			
6.0" REVOLVER BBL.; 1.525" C.O.L.				6.0" REVOLVER BBL.; 1.445" C.O.L.				6.0" REVOLVER BBL.; 1.500" C.O.L.				4.0" PISTOL BBL.; 1.125" C.O.L.			
"Hi-Skor"				"Hi-Skor"				"Hi-Skor"				"Hi-Skor"			
700-X 4.1 840 15600				700-X 2.4 715 8800				700-X 3.0 725 15000				700-X 4.3 840 33800			
PB 4.6 865 15500				PB 2.7 710 7900				PB 3.4 760 15800				PB 4.5 845 33900			
SR 7625 5.3 935 15900				SR 7625 2.9 700 6900				SR 7625 3.5 755 15800				SR 7625 5.2 885 34100			
SR 4756 6.1 925 15900				"Hi-Skor"				SR 4756 4.3 740 15700				SR 4756 5.6 905 34200			
"Hi-Skor"		</td													

HANDGUN

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)
.41 REMINGTON MAGNUM															
REM. CASE; REM. 2 1/2 PR SIERRA 170 GR. JHC; .410" DIA.; 10" PISTOL BBL.; 1.575" C.O.L.				REM. CASE; REM. 2 1/2 PR SPEER 225 GR. JHP; .429" DIA. 8.25" PISTOL BBL.; 1.585" C.O.L.				REM. CASE; REM. 2 1/2 PR REM. 185 GR. MC HP; .451" DIA.; 5.0" PISTOL BBL.; 1.210" C.O.L.				REM. CASE; REM. 2 1/2 PR REM. 230 GR. LEAD; .451" DIA.; 5.0" PISTOL BBL.; 1.270" C.O.L.			
"Hi-Skor" 700-X 8.4 1375 39800 SR 7625 10.8 1485 39400 PB 11.3 1460 40000 SR 4756 14.6 1650 39600 "Hi-Skor" 800-X 14.6 1760 39200				"Hi-Skor" 700-X 9.8 1235 40000 PB 11.2 1245 39900 SR 7625 11.7 1260 39900 SR 4756 14.5 1390 39600 "Hi-Skor" 800-X 15.4 1525 39800 IMR 4227 23.0C 1295 30700				"Hi-Skor" 700-X 5.3 845 17500 PB 6.1 855 17900 SR 7625 6.9 890 18000 "Hi-Skor" 800-X 8.6 975 18000 SR 4756 8.7 920 17900				"Hi-Skor" 700-X 4.7 775 17700 PB 5.2 765 15500 PB 5.5 810 17900 SR 7625 5.8 775 13600 SR 7625 6.2 825 17700 "Hi-Skor" 800-X 6.2 760 13800 "Hi-Skor" 800-X 7.2 860 18000 SR 4756 6.9 770 14000 SR 4756 7.5 960 17800			
.41 REMINGTON MAGNUM															
REM. CASE; REM. 2 1/2 PR REM. 210 GR. JSP; .410" DIA.; 10" PISTOL BBL.; 1.590" C.O.L.				REM. CASE; REM. 2 1.2 PR SIERRA 240 GR. JHC; .4295" DIA.; 8.25" PISTOL BBL.; 1.590" C.O.L.				REM. CASE; REM. 2 1/2 PR REM. 185 GR. MC SWC MATCH; .451" DIA.; 5.0" PISTOL BBL.; 1.150" C.O.L.				REM. CASE; REM. 2 1/2 PR REM. 230 GR. MC; .450" DIA.; 5.0" PISTOL BBL.; 1.260" C.O.L.			
"Hi-Skor" 700-X 7.6 1185 39000 SR 7625 9.1 1245 3970 PB 9.7 1265 40000 "Hi-Skor" 800-X 12.0 1480 39900 SR 4756 12.8 1455 39700				"Hi-Skor" 700-X 10.3 1200 39400 PB 11.1 1185 39800 SR 7625 11.6 1190 39900 SR 4756 13.3 1260 39800 "Hi-Skor" 800-X 14.2 1415 39600 IMR 4227 22.0C 1275 32600				"Hi-Skor" 700-X 4.4 760 14300 "Hi-Skor" 700-X 5.5 950 17900 PB 5.1 755 13600 PB 5.9 890 17900 SR 7625 5.7 760 13100 SR 7625 6.5 895 17700 "Hi-Skor" 800-X 6.8 785 12400 "Hi-Skor" 800-X 8.2 980 17700 SR 4756 8.4 940 17900				"Hi-Skor" 700-X 5.0 770 17700 PB 5.5 750 17900 SR 7625 6.0 745 17400 "Hi-Skor" 800-X 7.3 840 17800 SR 4756 7.4 795 17600			
.41 REMINGTON MAGNUM															
REM. CASE; REM. 2 1/2 PR REM. 210 GR. LEAD SWC; .411" DIA.; 10" PISTOL BBL.; 1.590" C.O.L.				REM. CASE; REM. 2 1/2 PR REM. 240 GR. JSP; .430" DIA.; 8.25" PISTOL BBL.; 1.610" C.O.L.				REM. CASE; REM. 2 1/2 PR REM. 250 GR. LEAD; .454" DIA.; 7.25" PISTOL BBL.; 1.600" C.O.L.				REM. CASE; REM. 2 1/2 PR REM. 250 GR. LEAD; .454" DIA.; 7.25" PISTOL BBL.; 1.600" C.O.L.			
"Hi-Skor" 700-X 7.4 1180 39100 SR 7625 9.0 1255 39500 PB 9.0 1250 39300 "Hi-Skor" 800-X 11.5 1475 38700 SR 4756 11.7 1420 40000				"Hi-Skor" 700-X 10.3 1205 39400 PB 11.4 1230 39600 SR 7625 11.5 1225 39800 SR 4756 13.6 1315 39900 "Hi-Skor" 800-X 14.3 1415 40000 IMR 4227 24.0C 1370 34900				"Hi-Skor" 700-X 5.1 815 17500 PB 6.0 825 17200 SR 7625 6.4 825 17200 SR 4756 8.1 880 17700 "Hi-Skor" 800-X 8.3 840 18000				"Hi-Skor" 700-X 6.3 815 13710 PB 7.2 830 13600 SR 7625 8.7 895 13900 "Hi-Skor" 800-X 9.5 915 13700 SR 4756 10.0 885 13500 IMR 4227 17.7 890 14000			
.44 S & W SPECIAL															
REM. CASE; REM. 2 1/2 PR HORNADY 240 GR. LEAD SWC; .430" DIA.; 6.5" REVOLVER BBL.; 1.470" C.O.L.				REM. CASE; REM. 2 1/2 PR REM. 240 GR. LEAD GC; .423" DIA.; 8.25" PISTOL BBL.; 1.610" C.O.L.				REM. CASE; REM. 2 1/2 PR HORNADY 200 GR. LEAD SWC; .452" DIA.; 5.0" PISTOL BBL.; 1.170" C.O.L.				REM. CASE; REM. 2 1/2 PR HORNADY 139 GR. SPIRE PT.; .284" DIA.; 15" BBL; 2.320" C.O.L.			
"Hi-Skor" 700-X 4.9 740 13900 PB 5.7 750 14000 SR 7625 6.2 770 13800 "Hi-Skor" 800-X 6.9 695 13900 SR 4756 7.5 760 13600 IMR 4227 14.3 7.90 13700				"Hi-Skor" 700-X 9.5 1205 39600 PB 11.0 1240 39700 SR 7625 11.3 1260 39700 "Hi-Skor" 800-X 13.5 1400 39600 SR 4756 13.9 1385 39800 IMR 4227 24.0C 1420 35200				"Hi-Skor" 700-X 4.4 775 12000 "Hi-Skor" 700-X 5.5 930 17700 PB 5.1 770 11900 PB 5.9 885 17900 SR 7625 5.6 770 12600 "Hi-Skor" 800-X 6.4 775 12700 "Hi-Skor" 800-X 7.9 950 18000 SR 7625 6.5 900 18000 SR 4756 7.0 765 12000 SR 4756 8.2 30 17900				IMR 4198 24.0 2165 50400 IMR 3031 28.0C 2220 49000 IMR 4064 28.5C 2080 43600 IMR 4895 29.0C 2180 50200			
.44 S & W SPECIAL															
REM. CASE; REM. 2 1/2 PR REM. 246 GR. LEAD RN; .431" DIA.; 6.5" REVOLVER BBL.; 1.570" C.O.L.				REM. CASE; REM. 2 1/2 PR HORNADY 240 GR. LEAD SWC; .430" DIA.; 8.25" PISTOL BBL.; 1.585" C.O.L.				REM. CASE; REM. 2 1/2 PR HORNADY 200 GR. LEAD SWC; .452" DIA.; 5.0" PISTOL BBL.; 1.170" C.O.L.				REM. CASE; BR (URBR) FORMED IN RCBS DIES; REM. BR 7 1/2 PR SIERRA 160 GR. SPITZER BT; .284" DIA.; 15" BBL; 2.270" C.O.L.			
"Hi-Skor" 700-X 4.8 740 13600 PB 5.6 745 13600 SR 7625 6.2 780 14000 "Hi-Skor" 800-X 7.2 730 13900 SR 4756 7.7 775 13800 IMR 4227 14.2 815 14000				"Hi-Skor" 700-X 9.5 1185 40000 PB 10.3 1195 39600 SR 7625 10.7 1190 39700 SR 4756 13.3 1320 39700 "Hi-Skor" 800-X 13.4 1395 39600 IMR 4227 22.0C 1310 33300				"Hi-Skor" 700-X 4.4 775 12000 "Hi-Skor" 700-X 5.5 930 17700 PB 5.1 770 11900 PB 5.9 885 17900 SR 7625 5.6 770 12600 "Hi-Skor" 800-X 6.4 775 12700 "Hi-Skor" 800-X 7.9 950 18000 SR 7625 6.5 900 18000 SR 4756 7.0 765 12000 SR 4756 8.2 30 17900				IMR 4198 22.5 2010 52000 IMR 3031 26.0C 2005 42600 IMR 4064 26.0C 1905 41100 IMR 4895 26.5C 1980 46100			
.44 REMINGTON MAGNUM															
REM. CASE; REM. 2 1/2 PR SPEER 200 GR. J MAG. HP; .429" DIA.; 8.25" PISTOL BBL.; 1.610" C.O.L.				REM. CASE; REM. 2 1/2 PR HORNADY 200 GR. LEAD SWC; .452" DIA.; 5.0" PISTOL BBL.; 1.170" C.O.L.				REM. CASE; BR (URBR) FORMED IN RCBS DIES; REM. BR 7 1/2 PR SIERRA 160 GR. SPITZER BT; .284" DIA.; 15" BBL; 2.270" C.O.L.				7 MM BR REMINGTON			
"Hi-Skor" 700-X 10.1 1300 40000 PB 12.0 1340 39800 SR 7625 12.1 1350 39700 SR 4756 14.6 1475 39800 "Hi-Skor" 800-X 15.5 1600 39800 IMR 4227 27.0C 1520 33800				"Hi-Skor" 700-X 9.5 1185 40000 PB 10.3 1195 39600 SR 7625 10.7 1190 39700 SR 4756 13.3 1320 39700 "Hi-Skor" 800-X 13.4 1395 39600 IMR 4227 22.0C 1310 33300				"Hi-Skor" 700-X 4.4 775 12000 "Hi-Skor" 700-X 5.5 930 17700 PB 5.1 770 11900 PB 5.9 885 17900 SR 7625 5.6 770 12600 "Hi-Skor" 800-X 6.4 775 12700 "Hi-Skor" 800-X 7.9 950 18000 SR 7625 6.5 900 18000 SR 4756 7.0 765 12000 SR 4756 8.2 30 17900				REM. CASE; BR (URBR) FORMED IN RCBS DIES; REM. BR 7 1/2 PR SIERRA 160 GR. SPITZER BT; .284" DIA.; 15" BBL; 2.270" C.O.L.			

Velocity and pressure readings represent average values obtained under controlled conditions. The values shown may vary substantially with the components and the reloading techniques employed. We suggest the charge weights shown be reduced initially by 10% to compensate for possible variations from the published data. The loads may then be increased as pressure indications permit.

HANDGUN

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)
7 MM BR REMINGTON															
REM. CASE; BR (URBR) FORMED IN RECBS DIES; REM. BR 7 1/2 PR HORNADY 162 GR. HPBT; .284" DIA.; 15" BBL.; 2.375" C.O.L.				REM. CASE; CCI 500 PR. REM. 124 GR. MC; .354" DIA.; 4.0" PISTOL BBL.; 1.125" C.O.L. "Hi-Skor"				REM. CASE; CCI 500 PR HORNADY 50 GR. FMJ; .251" DIA.; 2.0" PISTOL BBL.; .900" C.O.L. "Hi-Skor"				REM. CASE; CCI 500 PR. HORNADY 100 GR. FMJ; .355" DIA.; 3.75" PISTOL BBL.; .980" C.O.L. "Hi-Skor"			
IMR 4198 22.5 2000 50600		700-X 4.8 1110 32600		PB 4.9C 1050 32500		700-X 1.1 740 14400		PB 4.9C 1050 32500		700-X 2.7 840 15200		PB 2.8 835 15400		SR 7625 3.0 855 15500	
IMR 3031 26.0C 2015 4400		SR 7625 4.9 1040 32300		SR 7625 1.2 755 17900		SR 7625 1.4 770 16900		SR 4756 3.5 875 15900		SR 7625 3.0 855 15500		SR 4756 3.5 875 15900		"Hi-Skor"	
IMR 4064 26.0C 1870 38600		SR 4756 6.3C 1160 32400		"Hi-Skor"		"Hi-Skor"		"Hi-Skor"		"Hi-Skor"		"Hi-Skor"		800-X 4.0 840 14700	
IMR 4895 27.0C 2015 48000		800-X 6.5C 1115 28600		IMR 4227 8.8C 790 13200		800-X 1.8 815 17800									
9 MM LUGER															
REM. CASE; REM. 1 1/2 PR. REM. 115 GR. JHP; .354" DIA.; 4.0" PISTOL BBL.; 1.110" C.O.L. "Hi-Skor"				REM. CASE; FED. 100 PR HORNADY 147 GR. BTHP/XTP .355" DIA.; 4.0" PISTOL BBL.; 1.130" C.O.L. "Hi-Skor"				REM. CASE; REM. 1 1/2 PR. HORNADY 90 GR. HP; .355" DIA.; 3.75" PISTOL BBL.; .970" C.O.L. "Hi-Skor"				REM. NICKEL CASE; CCI 500 PR. HORNADY 115 GR. HP; .357" DIA.; 5.0" PISTOL BBL.; 1.265" C.O.L. "Hi-Skor"			
700-X 4.7 1130 32600		PB 4.8 1075 32500		700-X 2.9 985 15900		PB 3.0 890 15700		700-X 4.0 955 22900		PB 4.0 955 22500					
SR 7625 5.1 1095 32400		SR 7625 4.3 950 32900		SR 7625 3.2 880 14700		SR 7625 3.6 880 15500		SR 7625 4.5 955 21800		SR 4756 5.2 965 21800					
SR 4756 6.3C 1175 30600		SR 4756 4.4 950 32700		"Hi-Skor"		800-X 4.1 870 15500		"Hi-Skor"		800-X 5.9 1015 21900					
800-X 6.5 1150 30300		800-X 5.3 1025 32900													
IMR 4227 8.8C 820 14500															

THOMPSON/CENTER CONTENDER RELOADING DATA

(ALL DATA DEVELOPED IN T/C CONTENDER COMMERCIAL BARRELS)

KEY TO ABBREVIATIONS FOR T/C CONTENDER DATA

BR	Bench Rest	FMJ	Full Metal Jacket	PSP	Pointed Soft Point
BR PR	Bench Rest Primer	FP	Flat Point	SPCL	Soft Point "Cole-Lokt"
BT	Boat Tail	HP	Hollow Point	T/C	Thompson Center
C	Compressed Charge	J	Jacketed		
C.O.L.	Cartridge Overall Length				

BULLET WT.	IMR DIA.	CHARGE (GRAINS)	VELOCITY (FT/SEC) 10" BARREL	VELOCITY (FT/SEC) 14" BARREL	CHAMBER PRESSURE (CUP)	CARTRIDGE OVERALL LENGTH (IN.)
.222 REMINGTON—REM. CASE, REM. 7 1/2 BR PR						
45 GR. .224"	IMR 4227	17.1	2500	-	45200	2.130"
SIERRA SPITZER	IMR 4198	21.1	2640	-	45800	
	IMR 4895	24.2C	2380	-	37400	
50 GR. .224"	IMR 4227	16.1	2365	-	45800	2.130"
REMINGTON PSP	IMR 4198	20.0	2510	-	45600	
	IMR 4895	24.2C	2365	-	39300	
52 GR. .224"	IMR 4227	15.8	2300	-	45600	2.190"
SIERRA HPBT BR	IMR 4198	19.8	2455	-	45800	
	IMR 4895	23.8C	2325	-	40500	
55 GR. .224"	IMR 4198	19.0	2375	-	45200	2.085"
SPEER FMJ	IMR 3031	21.5C	2225	-	37800	
	IMR 4895	23.0C	2275	-	41200	
60 GR. .224"	IMR 4227	14.7	2105	-	45000	2.245"
HORNADY HP	IMR 4198	19.1	2330	-	45800	
	IMR 4895	23.0C	2235	-	42400	
70 GR. .224"	IMR 4198	17.9	2145	-	45700	2.060"
SPEER	IMR 3031	20.5C	2000	-	34900	
SEMI-SPITZER	IMR 4895	21.5C	2050	-	37900	

THOMPSON/CENTER CONTENDER RELOADING DATA
 (ALL DATA DEVELOPED IN T/C CONTENDER COMMERCIAL BARRELS)

BULLET WT.	DIA.	IMR POWDER	CHARGE (GRAINS)	VELOCITY (FT/SEC) 10" BARREL	VELOCITY (FT/SEC) 14" BARREL	CHAMBER PRESSURE (CUP)	CARTRIDGE OVERALL LENGTH (IN.)
.25/.35 WINCHESTER—REM. CASE, FED. 210 BR PR							
60 GR.	.257"	IMR 3031	28.3	2325	-	36900	2.390"
SPEER SPIRE POINT		IMR 4064	30.5C	2285	-	36000	
87 GR.	.257"	IMR 3031	23.4	1965	-	36800	2.690"
HORNADY SPIRE POINT		IMR 4064	25.7	1960	-	36500	
100 GR.	.257"	IMR 3031	22.1	1845	-	36500	2.700"
SPEER SPITZER		IMR 4064	25.2	1875	-	37000	
		IMR 4350	31.0C	1900	-	36400	
117 GR.	.257"	IMR 3031	21.5	1760	-	36700	2.700"
SIERRA		IMR 4895	22.2	1750	-	37000	
SPITZER BT		IMR 4350	28.3C	1760	-	35900	
.30 HERRETT—REM. (FORMED BY T/C), CASE, FED. 210 BR PR							
110 GR.	.308"	IMR 4227	18.8	1910	2035	44600	2.020"
HORNADY FMJ		IMR 4198	24.3	2075	2210	44600	
		IMR 3031	28.0C	1940	2070	36000	
130 GR.	.308"	IMR 4227	18.0	1775	1885	44800	2.175"
HORNADY		IMR 4198	22.5	1895	2015	44400	
SPIRE POINT		IMR 3031	26.0C	1765	1875	36300	
150 GR.	.308"	IMR 4198	21.3	1760	1870	44200	2.300"
SIERRA SPITZER		IMR 3031	25.2C	1680	1785	36700	
		IMR 4895	27.0C	1735	1845	40700	
170 GR.	.308"	IMR 4198	19.2	1575	1670	44600	2.165"
REMINGTON SPCL		IMR 3031	24.5C	1590	1690	37800	
		IMR 4895	26.0C	1625	1725	41200	
.30/.30 WINCHESTER—REM. CASE, FED. 210 BR PR							
110 GR.	.308"	IMR 3031	36.0C	2110	34000	2.450"	
HORNADY FMJ		IMR 4895	34.6	2080	2235	37800	
		IMR 4064	36.5C	2020	2170	33200	
130 GR.	.308"	IMR 3031	36.0C	2025	2175	37000	2.725"
HORNADY SPIRE POINT		IMR 4064	36.5C	1965	2110	36500	
150 GR.	.308"	IMR 3031	33.0	1895	2035	37500	2.855"
SIERRA SPITZER		IMR 4064	34.4	1855	1995	37400	
170 GR.	.308"	IMR 3031	27.4	1660	1780	37600	2.700"
REMINGTON SPECIAL		IMR 4064	32.8	1750	1875	37900	2.700"

Velocity and pressure readings represent average values obtained under controlled conditions. The values shown may vary substantially with the components and the reloading techniques employed. We suggest the charge weights shown be reduced initially by 10% to compensate for possible variations from the published data. The loads may then be increased as pressure indications permit.

THOMPSON/CENTER CONTENDER RELOADING DATA

(ALL DATA DEVELOPED IN T/C CONTENDER COMMERCIAL BARRELS)

BULLET WT.	DIA.	IMR POWDER	CHARGE (GRAINS)	VELOCITY (FT/SEC) 10" BARREL	VELOCITY (FT/SEC) 14" BARREL	CHAMBER PRESSURE (CUP)	CARTRIDGE OVERALL LENGTH (IN.)
.357 HERRETT—WIN. (FORMED BY T/C) CASE, FED. 210 BR PR							
110 GR.	.357"	SR 4759	24.5C	1950	2070	35600	2.080"
		HORNADY JHP	IMR 4227	23.8	2095	44500	
			IMR 4198	32.0C	2070	33900	
125 GR.	.357"	SR 4759	24.0C	1880	1990	38400	2.080"
		HORNADY JHP	IMR 4227	22.3	1995	44900	
			IMR 4198	31.0C	2015	38100	
158 GR.	.357"	SR 4759	23.0C	1705	1810	42000	2.150"
		HORNADY JFP	IMR 4227	20.2	1710	44900	
			IMR 4198	29.9C	1925	44900	
170 GR.	.357"	SR 4759	23.0C	1655	1750	41400	2.230"
		SIERRA FMJ	IMR 4227	20.1	1640	45000	
		SILHOUETTE	IMR 4198	30.0C	1835	44600	
200 GR.	.358"	SR 4759	23.0C	1575	1675	44100	2.540"
		HORNADY	IMR 4198	28.2	1715	45000	
		SPIRE POINT	IMR 3031	31.0C	1540	32400	
			IMR 4895	34.0C	1605	38300	
.35 REMINGTON—REM. CASE, FED. 210 BR PR							
158 GR.	.357"	IMR 3031	38.4C	-	2030	34500	2.300"
		HORNADY JFP	IMR 3895	37.8	-	34700	
			IMR 4064	39.5C	-	32600	
170 GR.	.357"	IMR 3031	38.5C	-	1985	33700	2.405"
		SIERRA FMJ	IMR 4895	37.8	-	34100	
		SILHOUETTE	IMR 4064	38.1	-	35000	
250 GR.	.358"	IMR 3031	31.0	-	1620	35000	2.800"
		SPEER SPITZER	IMR 4064	33.0	-	34800	

IMR HANDLOADING POWDER SELECTION GUIDE

The following table lists the IMR Handloading Powders and the general area of use for each powder. Whenever a specific powder appears in more than one section of this Guide (for example, shotshell and handgun), the same powder can be used for all recommended loads shown with this powder. Powders can be used in case bullet rifle loads as specified in reliable published loading data.

POWDER DESIGNATION	SHOTSHELL (GAUGE)	HANDGUN	RIFLE	CONTAINER NET WEIGHT LBS.		
				CANISTER	CADDY	KEG
"HI-SKOR" 700-X	10 12 16 20 28 410	X		1/2	5	12
"HI-SKOR" 800-X	X X X X X	X		1/2	5	12
PB	X X X X X	X		1/2	5	12
SR 7625	X X X X X	X		1/2	5	12
SR 4756	X X X X X	X		1/2	5	12
SR 4759		X	X	1/2	5	12
IMR 4227		X	X	1	8	20
IMR 4198		X	X	1	8	20
IMR 3031		X	X	1	8	20
IMR 4064		X	X	1	8	20
IMR 4895		X	X	1	8	20
IMR 4320		X	X	1	8	20
IMR 4350		X	X	1	8	20
IMR 4831			X	1	8	20
IMR 7828			X	1	8	20

IMR

SMOKELESS POWDER DISTRIBUTORS

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The information presented in this booklet is based upon results obtained in our ballistics laboratory, and is offered without charge as an aid to handloaders, to be employed at their own discretion and risk. Safe loading practices should be observed at all times. Since we have no control over the circumstances of loading, we assume no liability for the results obtained, and we guarantee only that powder meets our manufacturing standards.

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